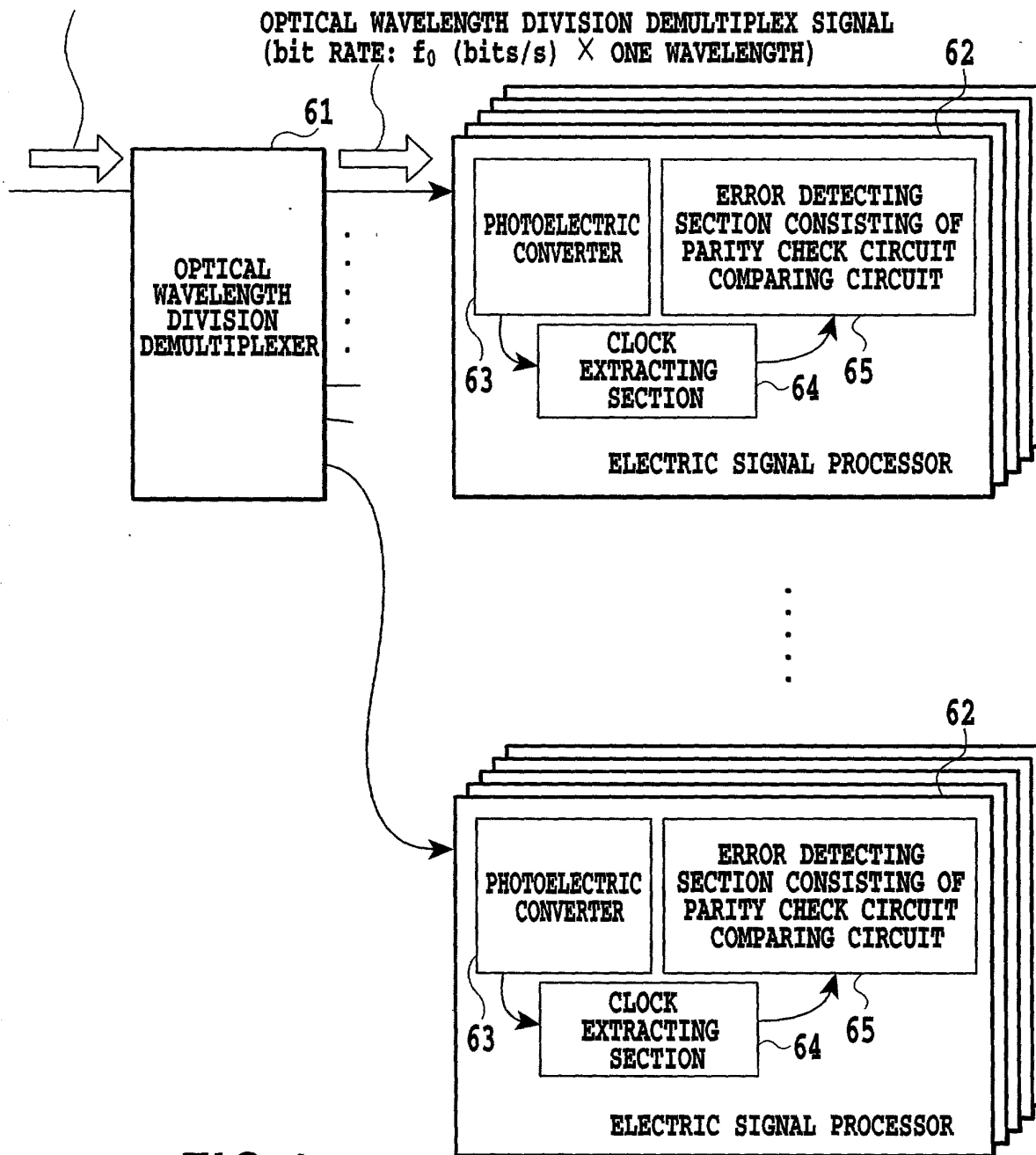


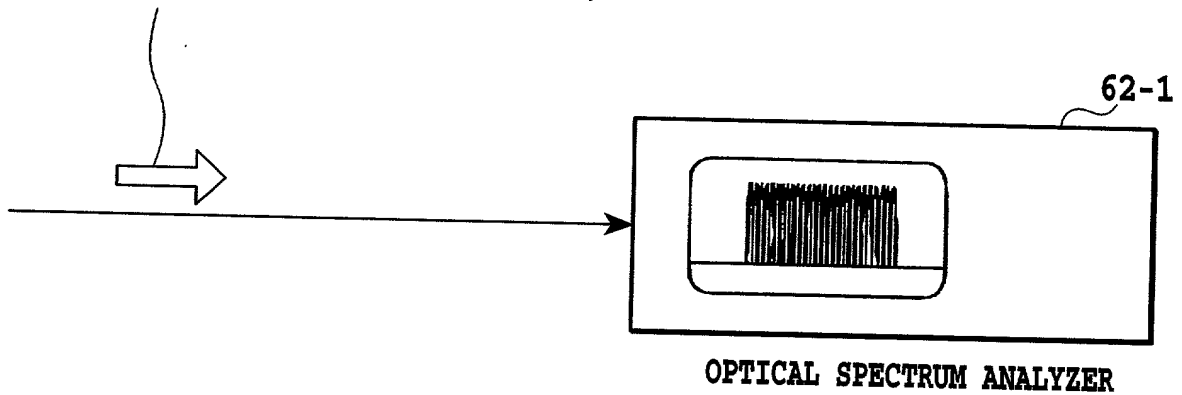
OPTICAL WAVELENGTH DIVISION MULTIPLEXED SIGNAL  
(bit RATE:  $f_0$  (bits/s)  $\times$  N WAVELENGTHS)

OPTICAL WAVELENGTH DIVISION DEMULTIPLEX SIGNAL  
(bit RATE:  $f_0$  (bits/s)  $\times$  ONE WAVELENGTH)

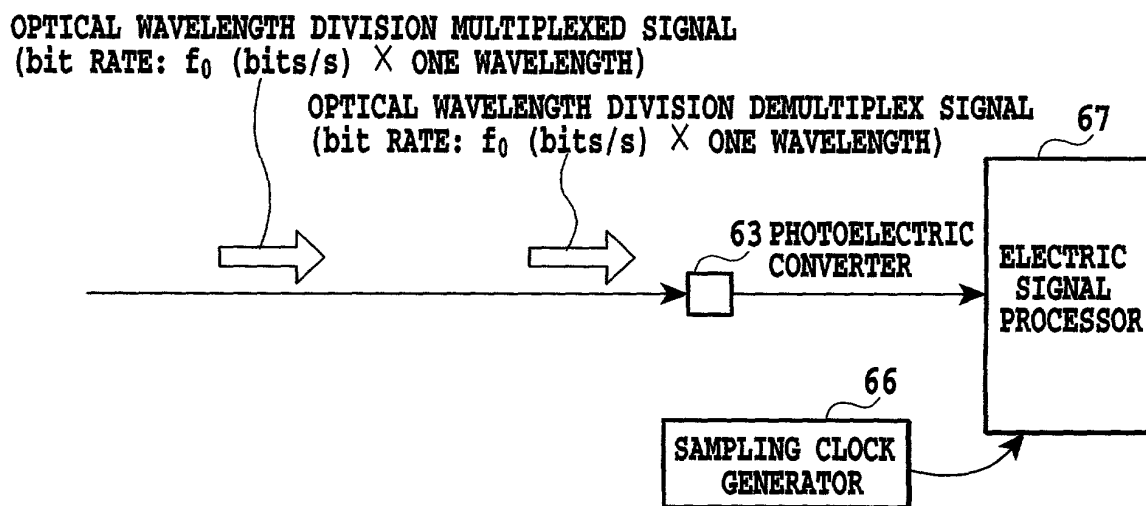


**FIG.1**  
**PRIOR ART**

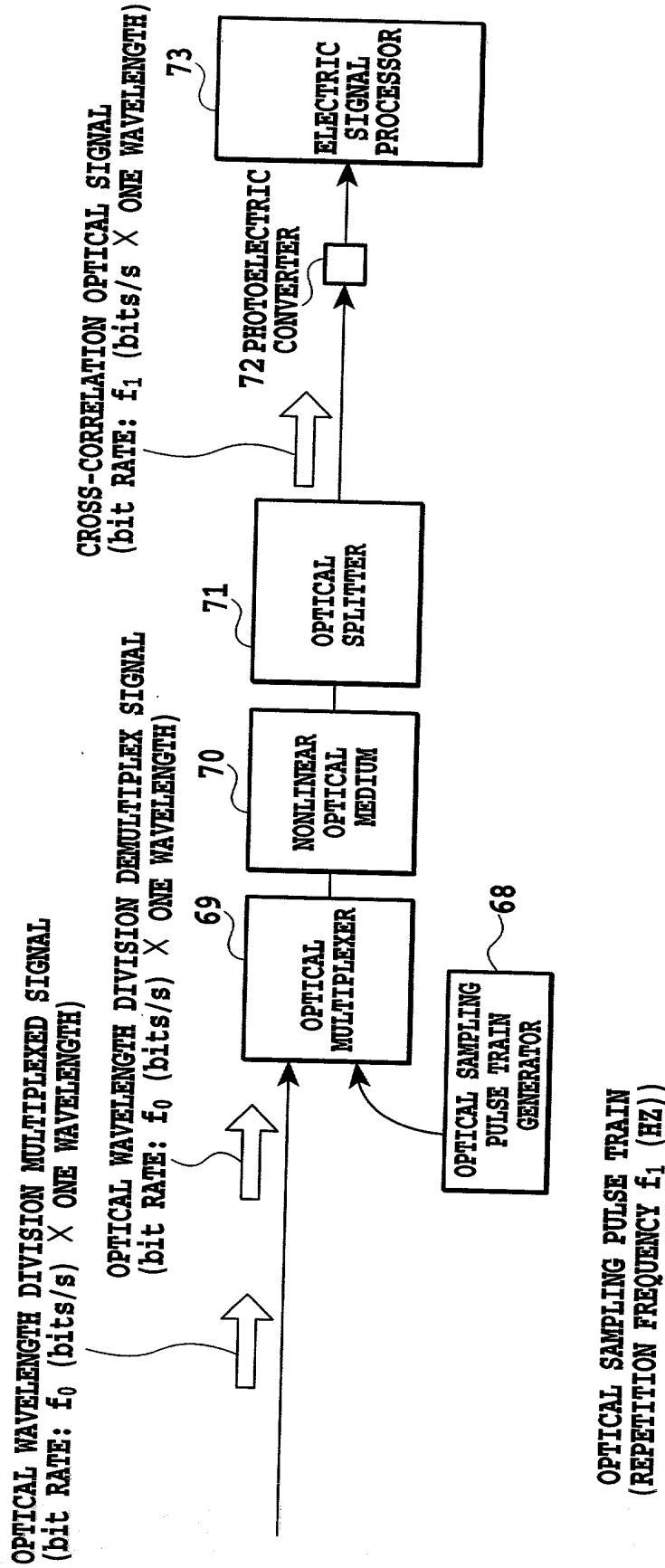
OPTICAL WAVELENGTH DIVISION MULTIPLEXED SIGNAL  
(bit RATE:  $f_0$  (bits/s)  $\times$  N WAVELENGTHS)



**FIG.2**  
**PRIOR ART**

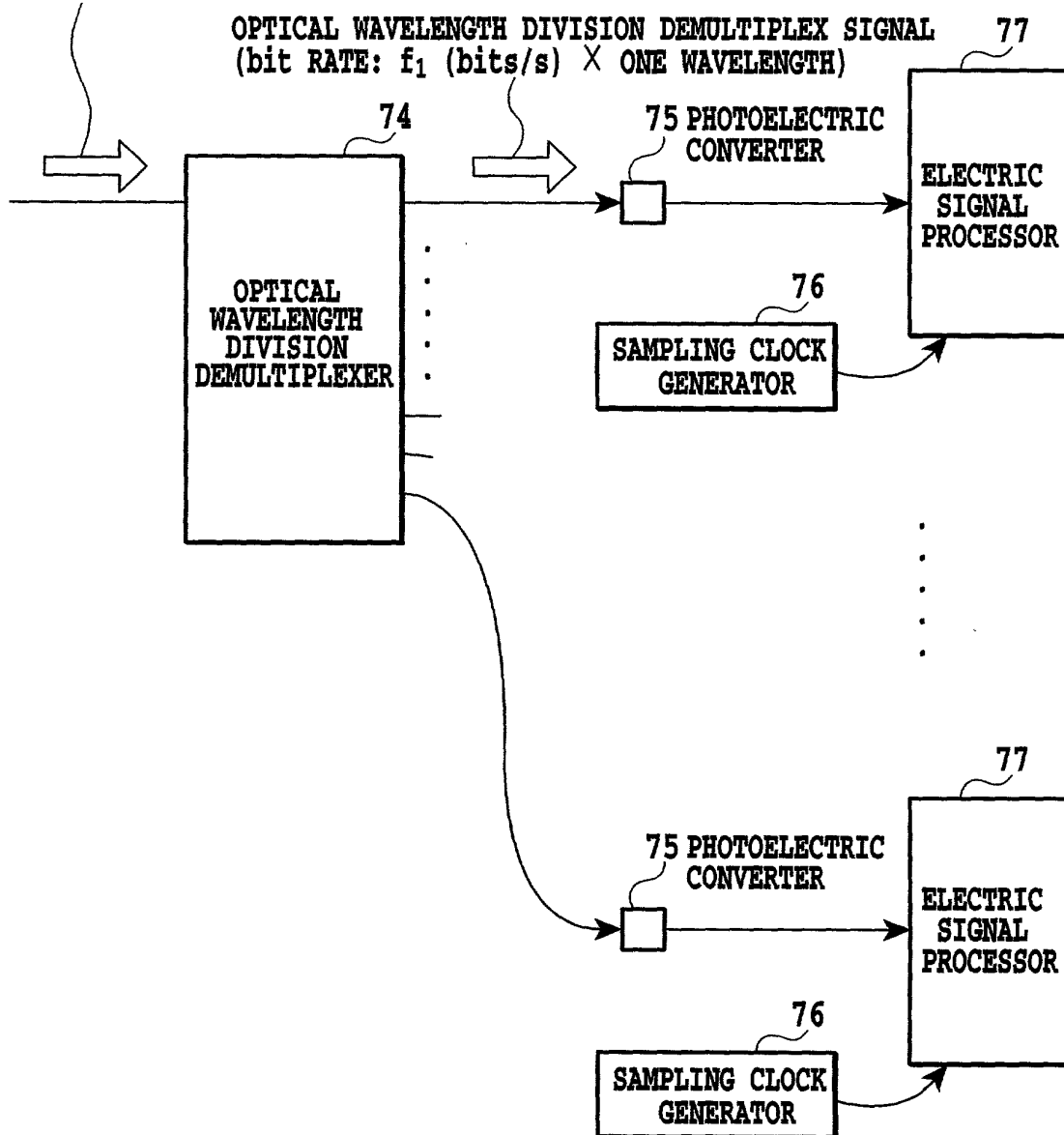


**FIG.3**  
**PRIOR ART**

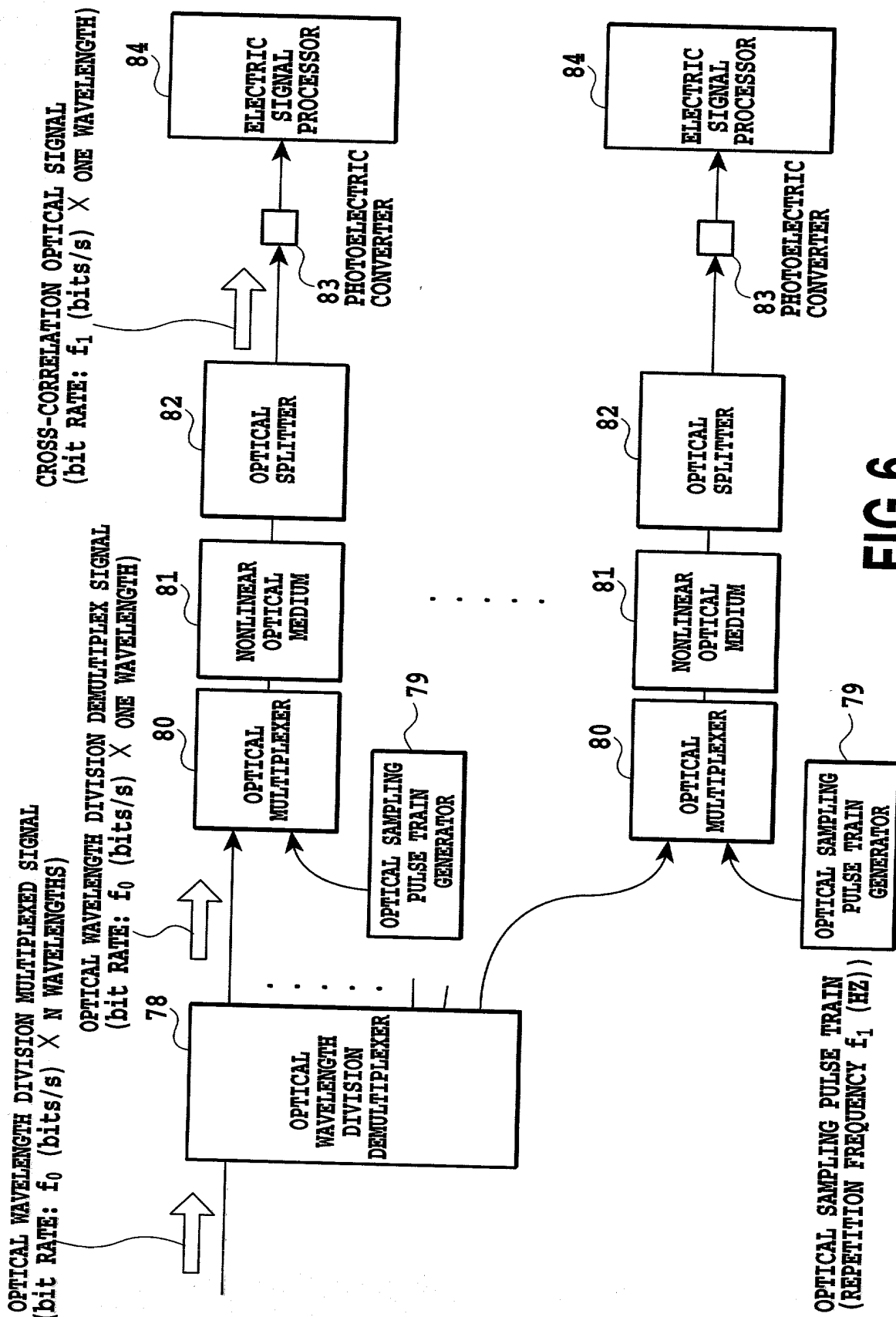


**FIG. 4**  
**PRIOR ART**

OPTICAL WAVELENGTH DIVISION MULTIPLEXED SIGNAL  
(bit RATE:  $f_0$  (bits/s)  $\times$  N WAVELENGTHS)



**FIG.5**  
**PRIOR ART**



**FIG. 6**  
PRIOR ART

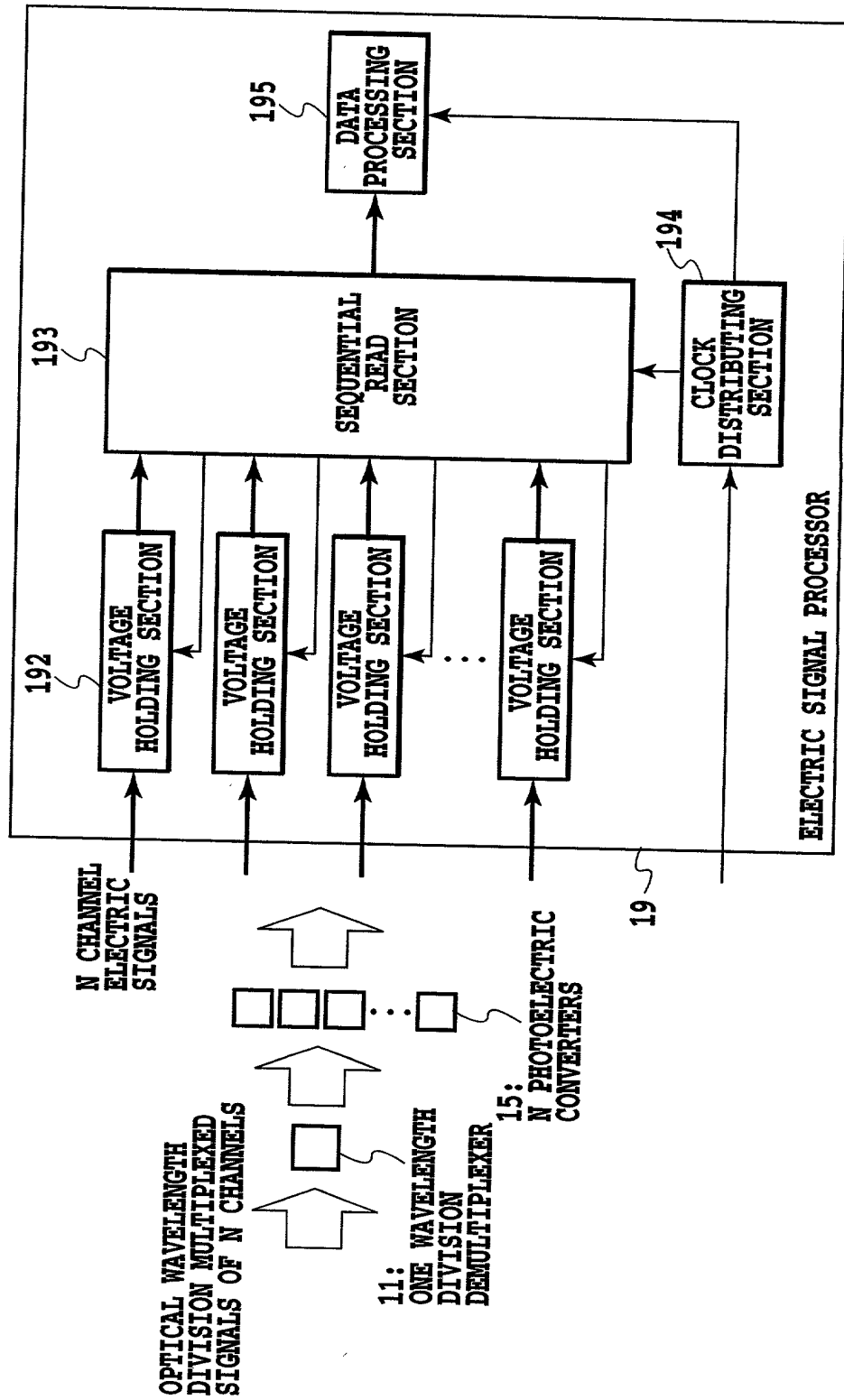


FIG. 7

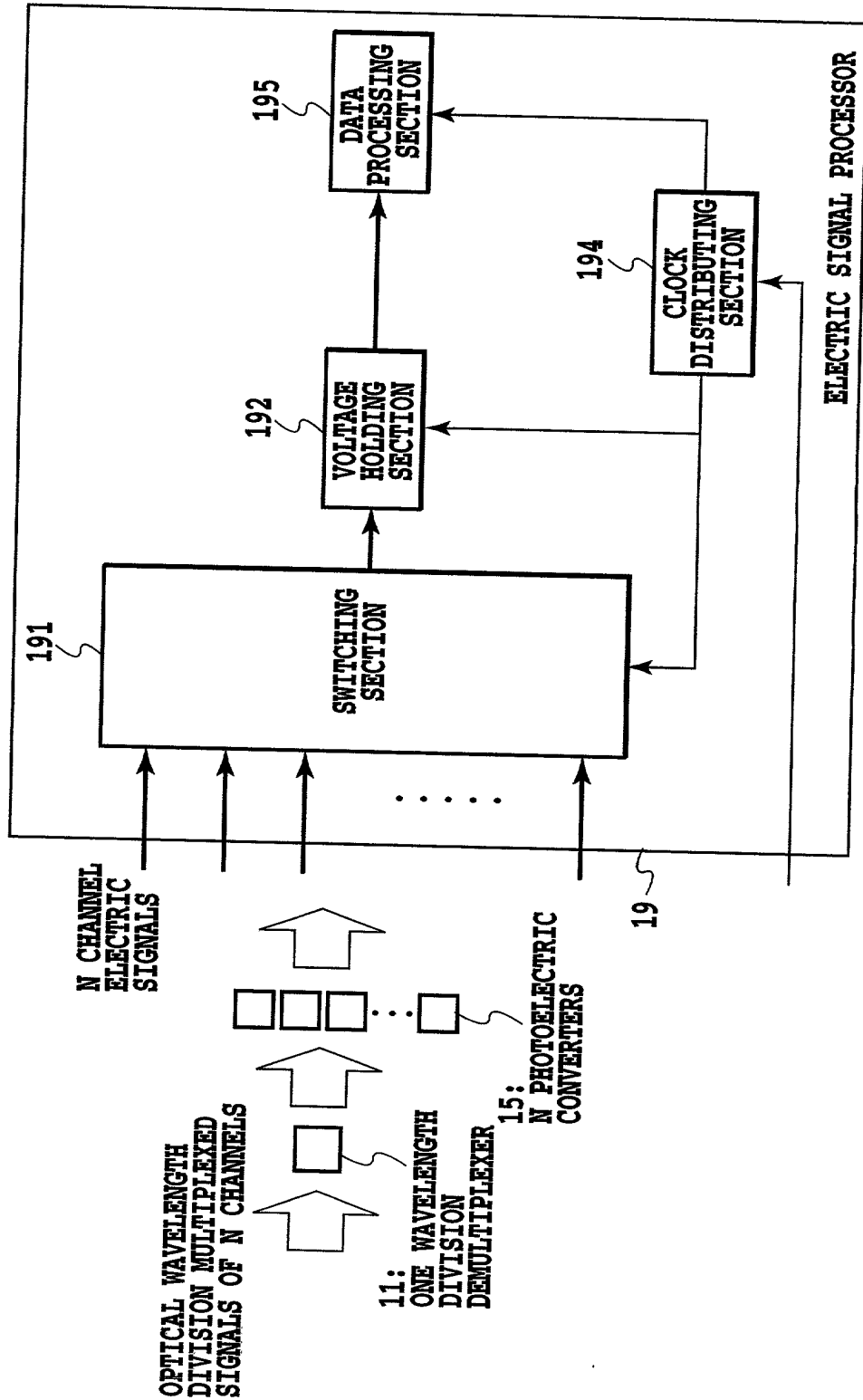


FIG.8



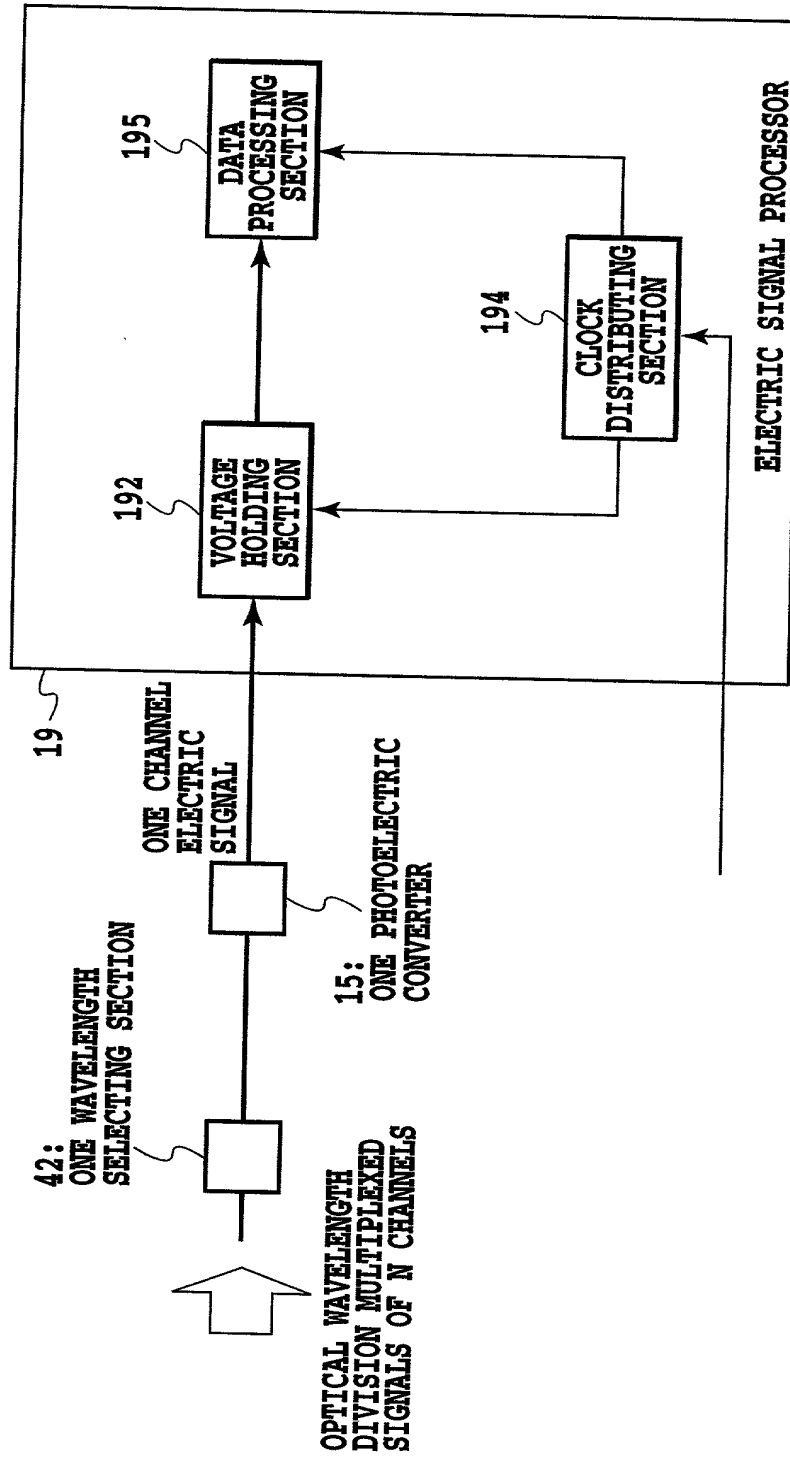


FIG.9

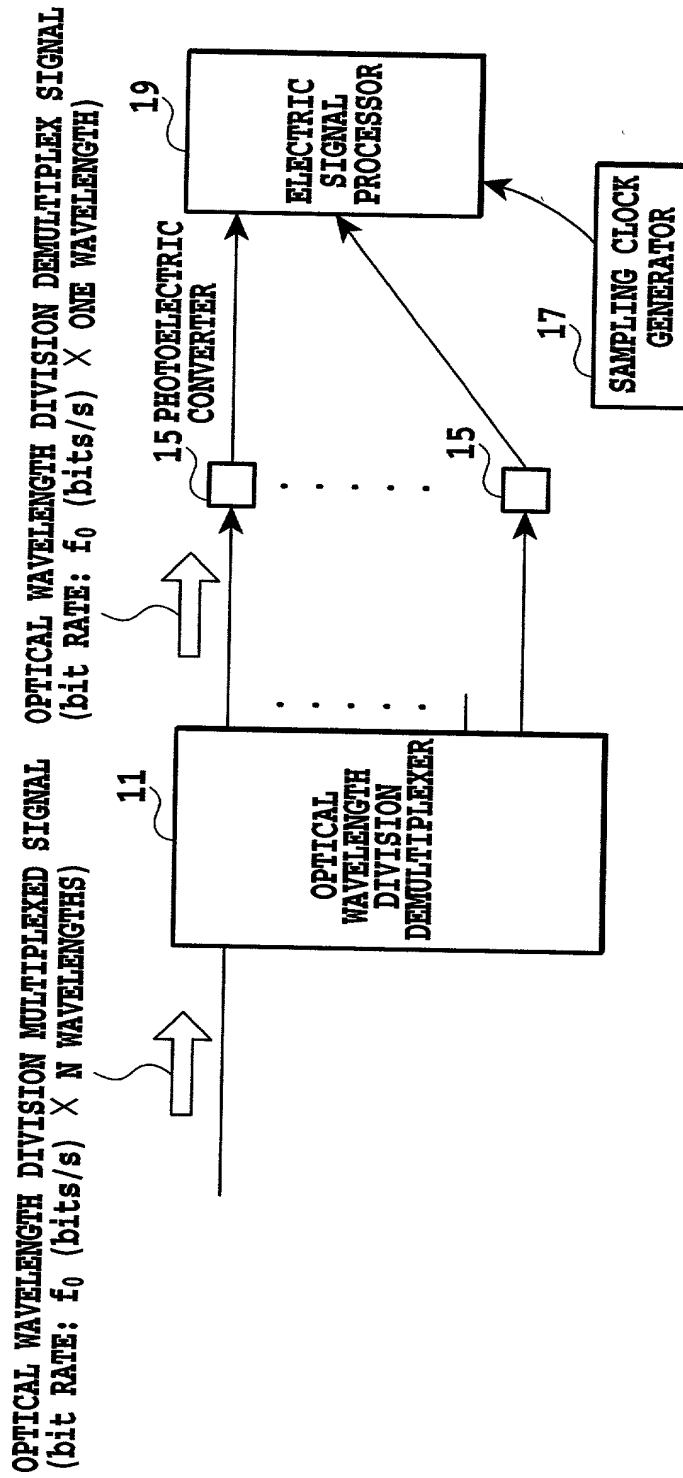


FIG.10

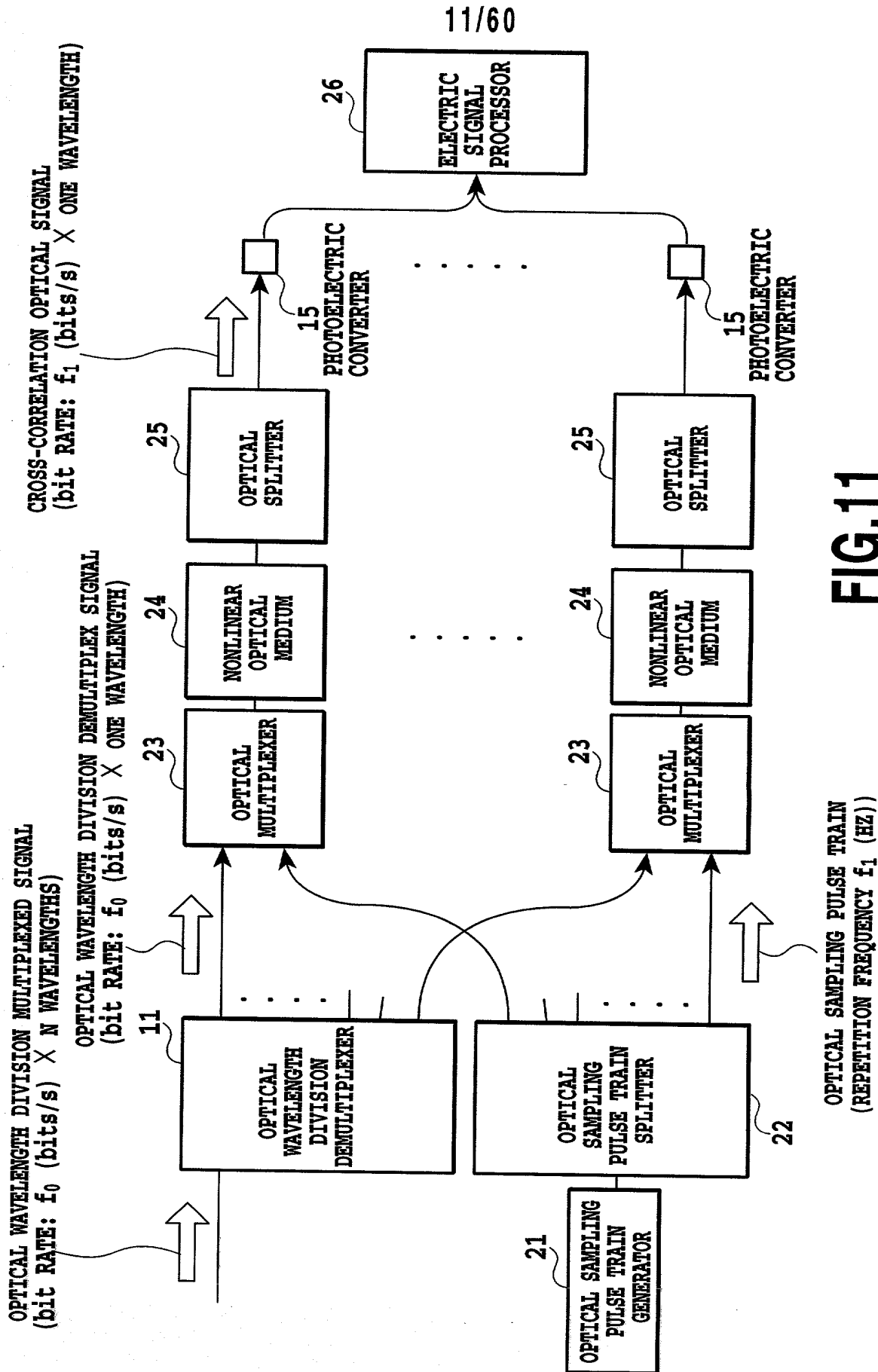


FIG.11



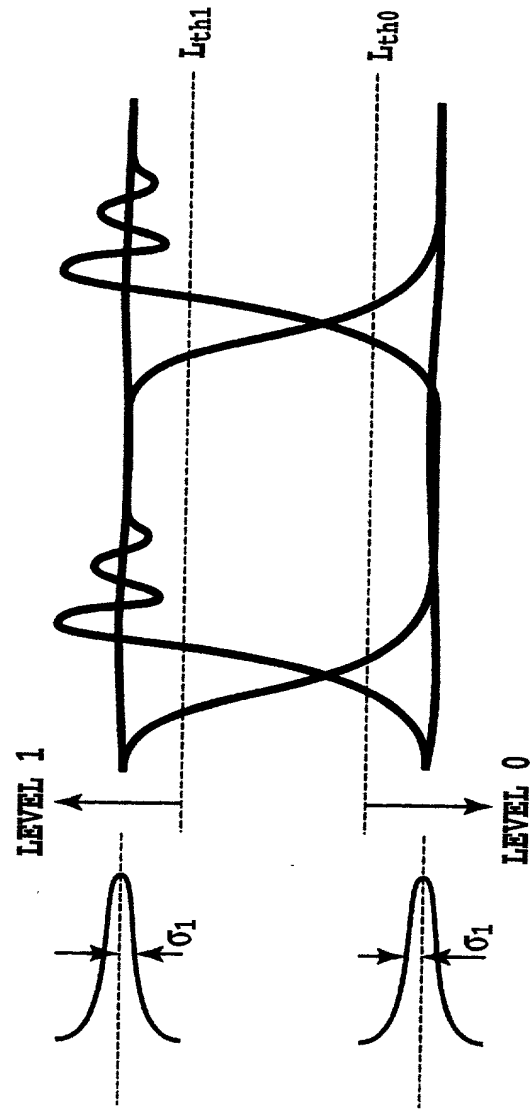


FIG.13

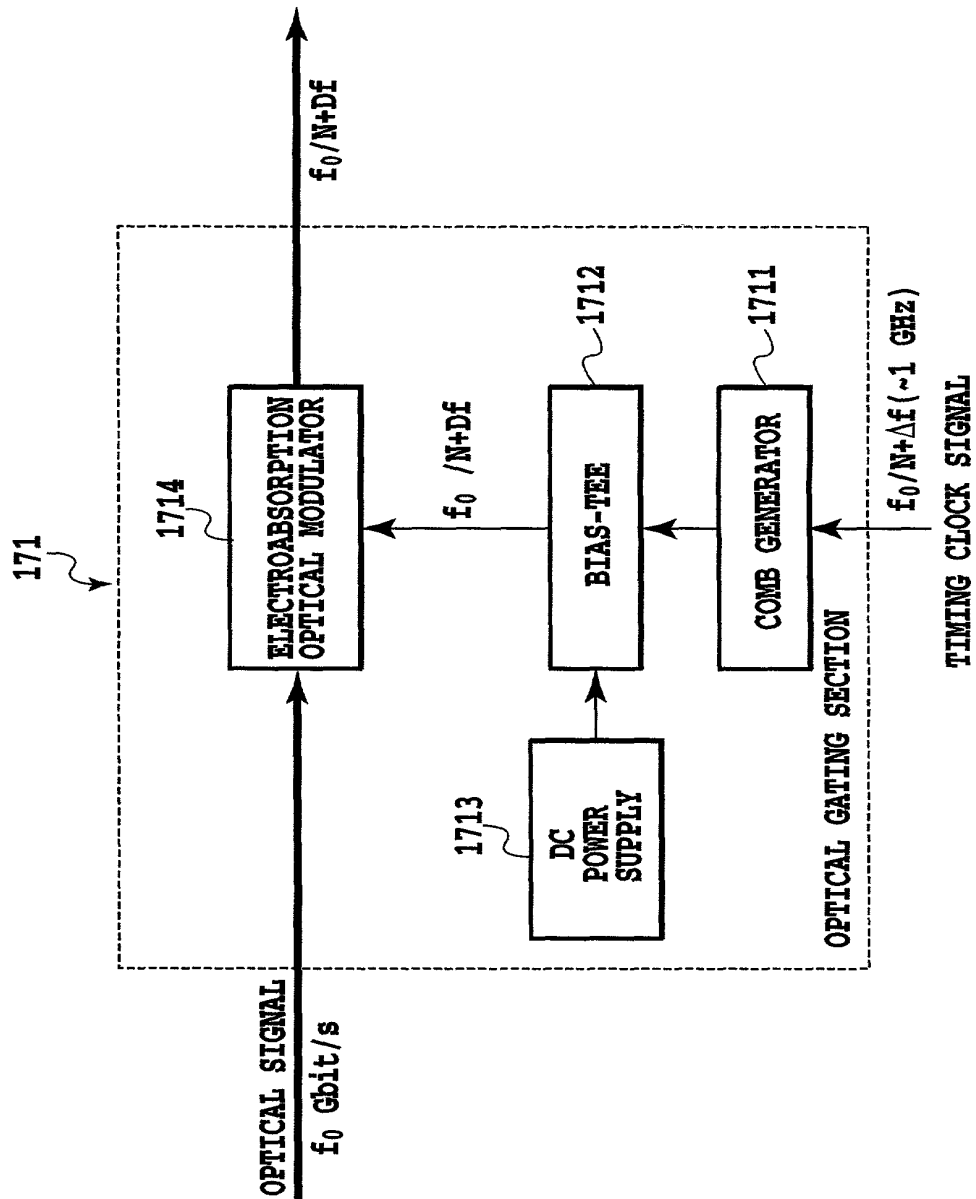


FIG.14

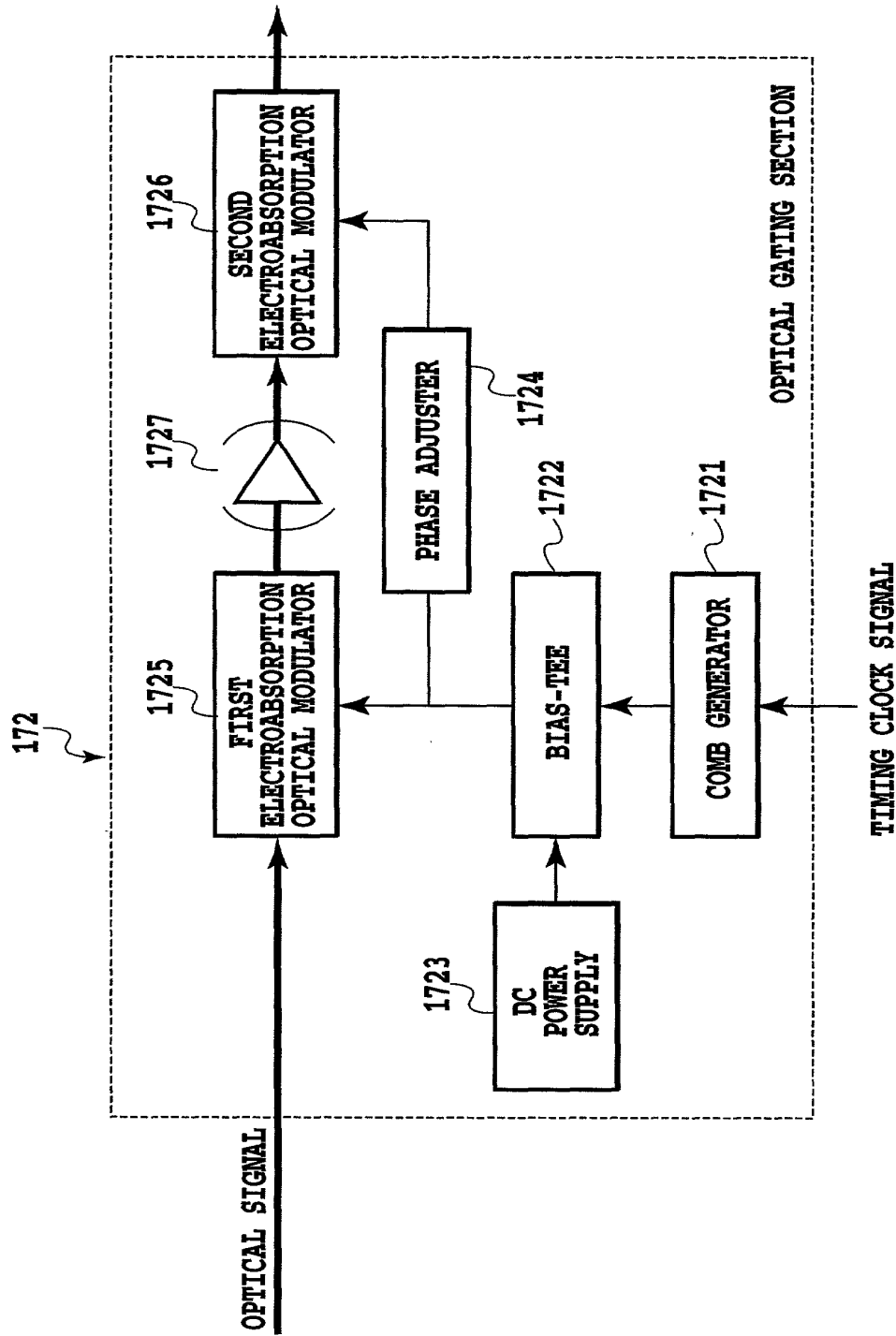


FIG.15

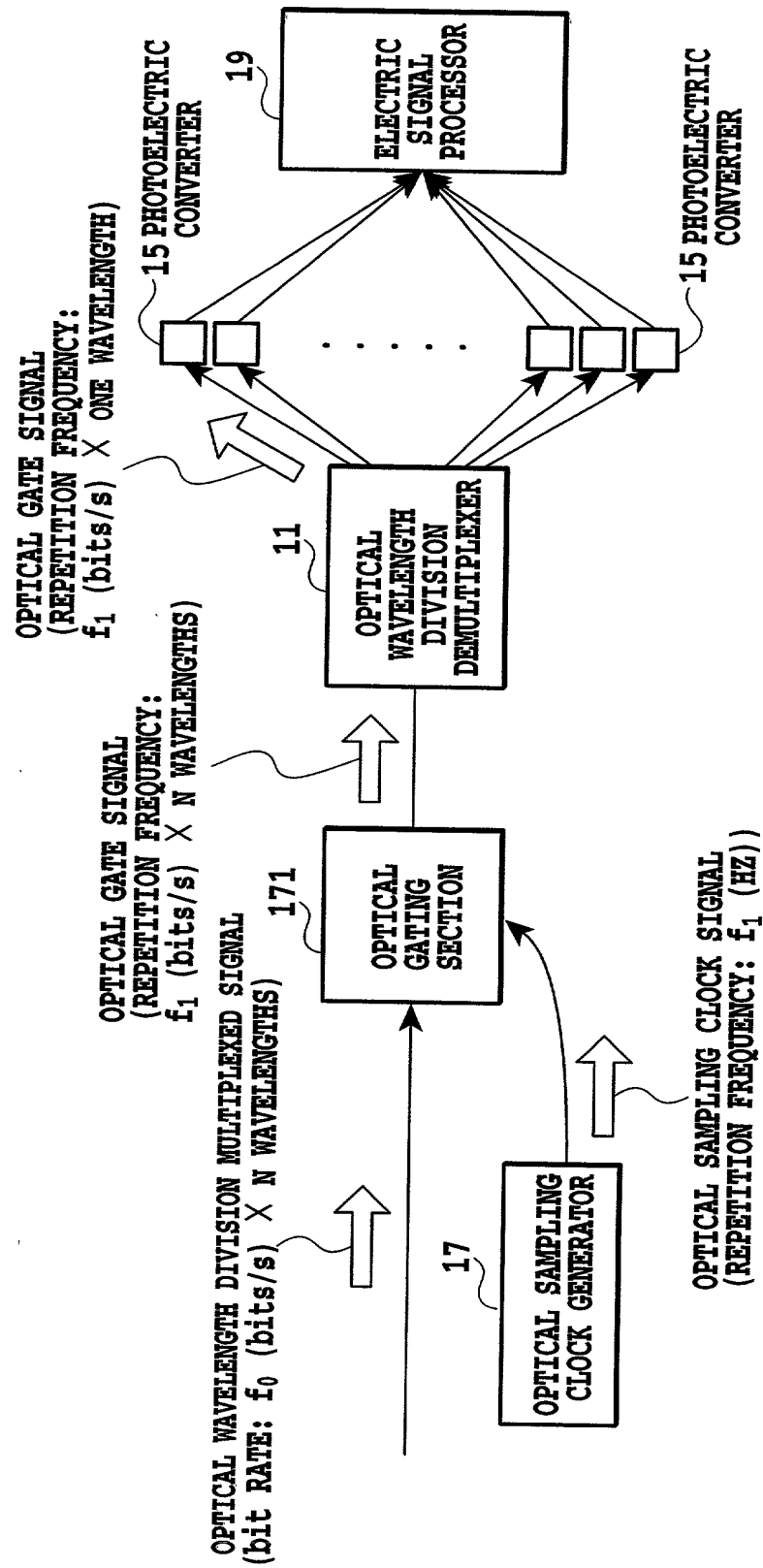


FIG.16



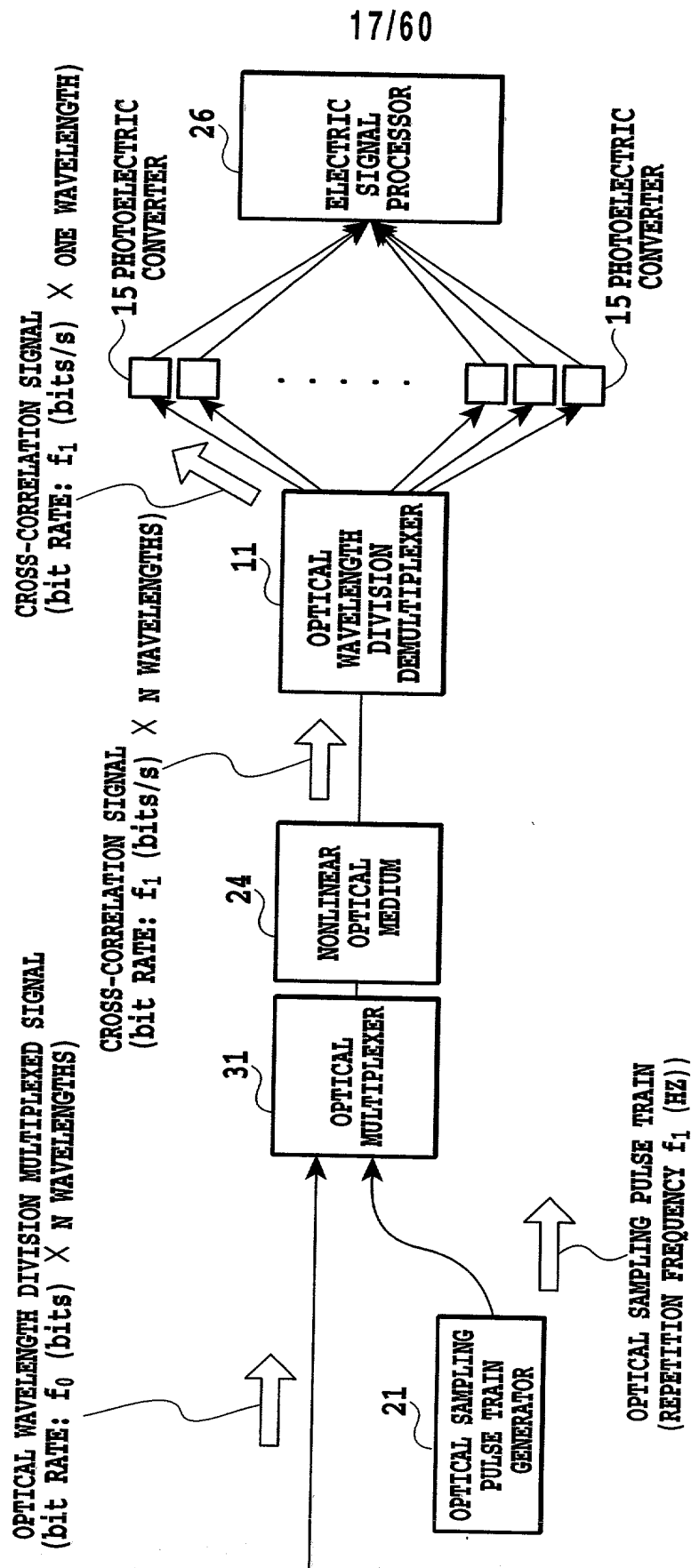
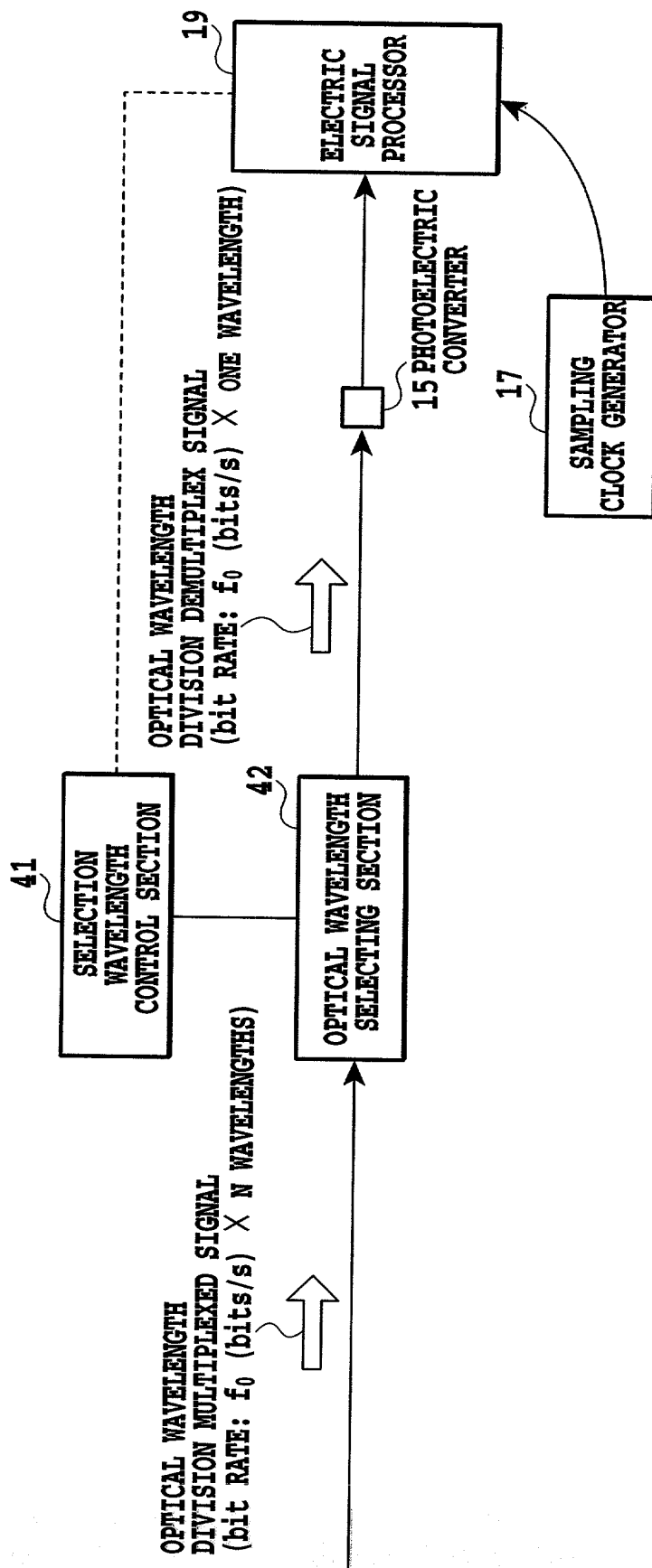


FIG.17



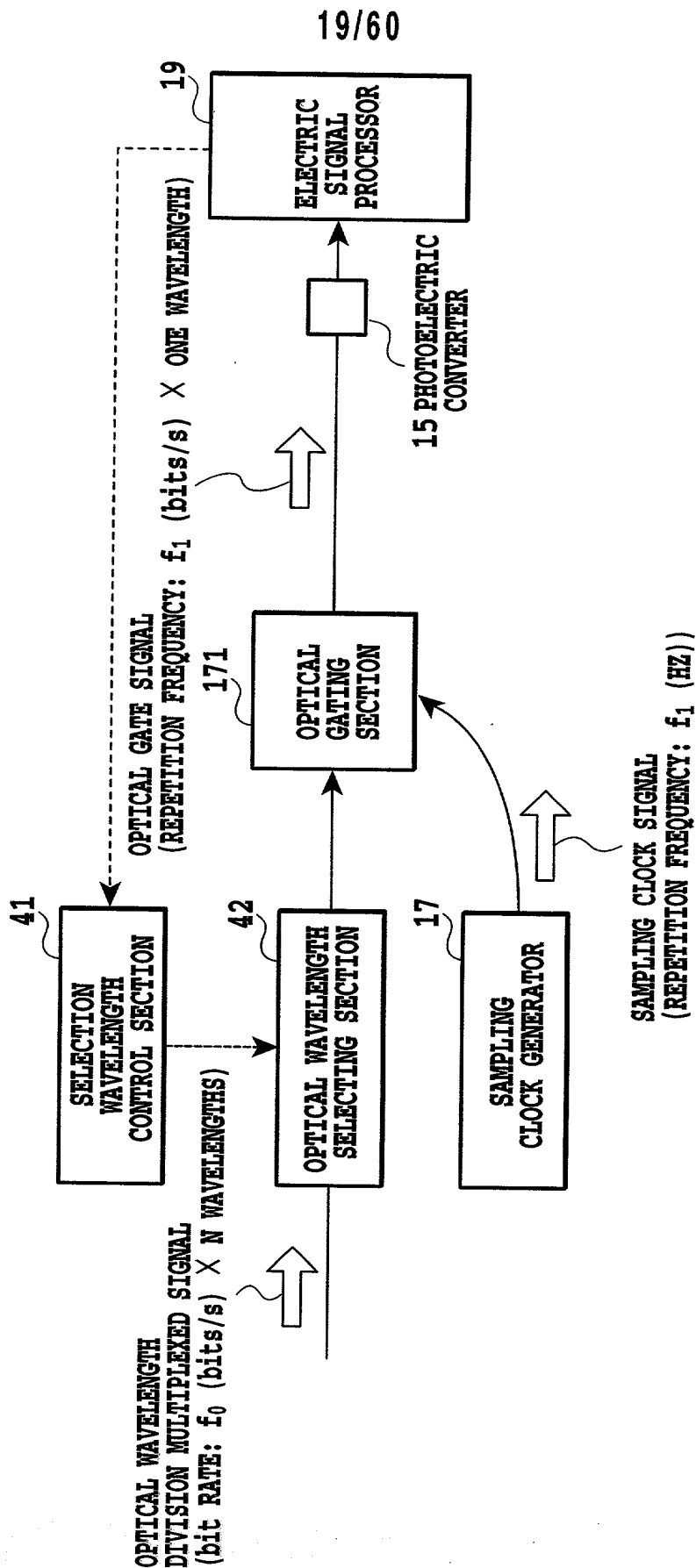


FIG.19

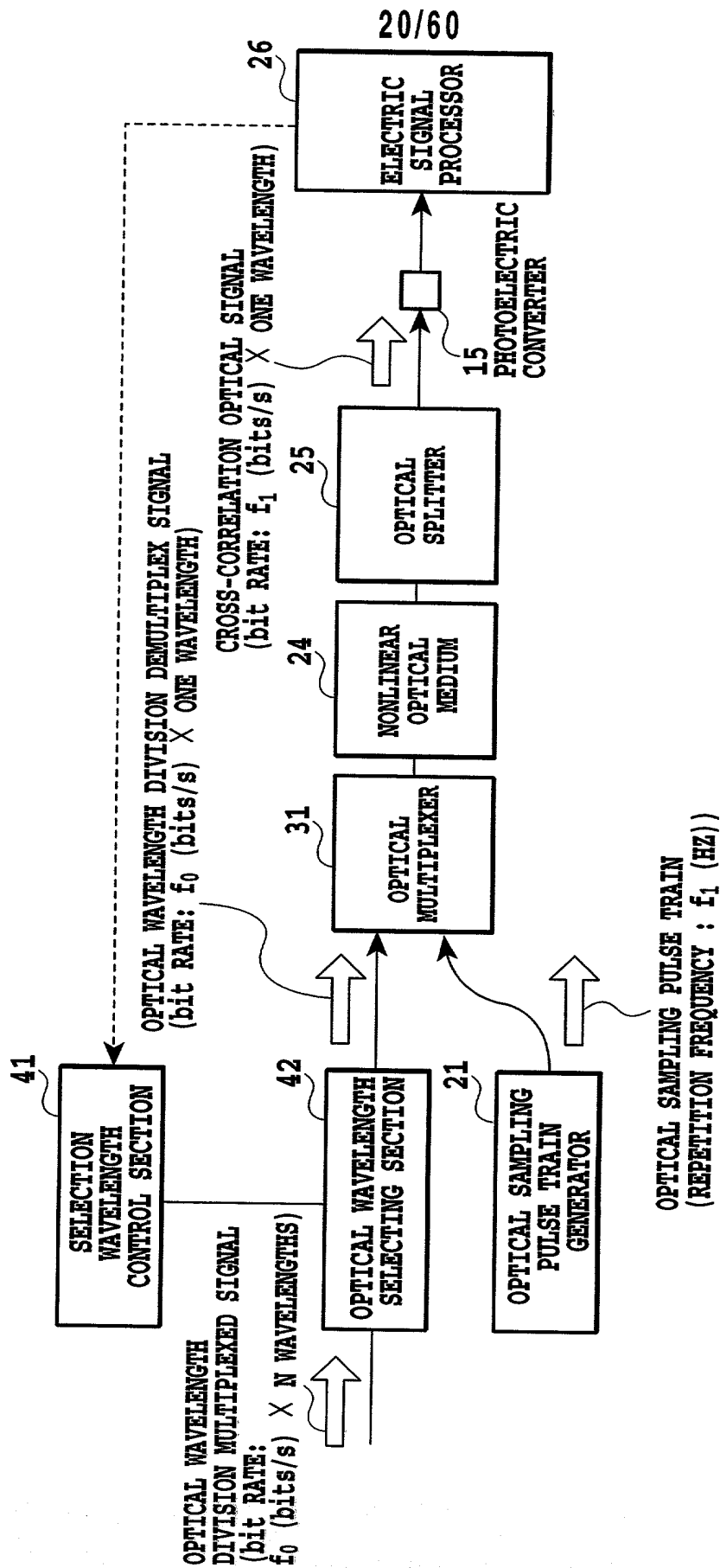


FIG.20

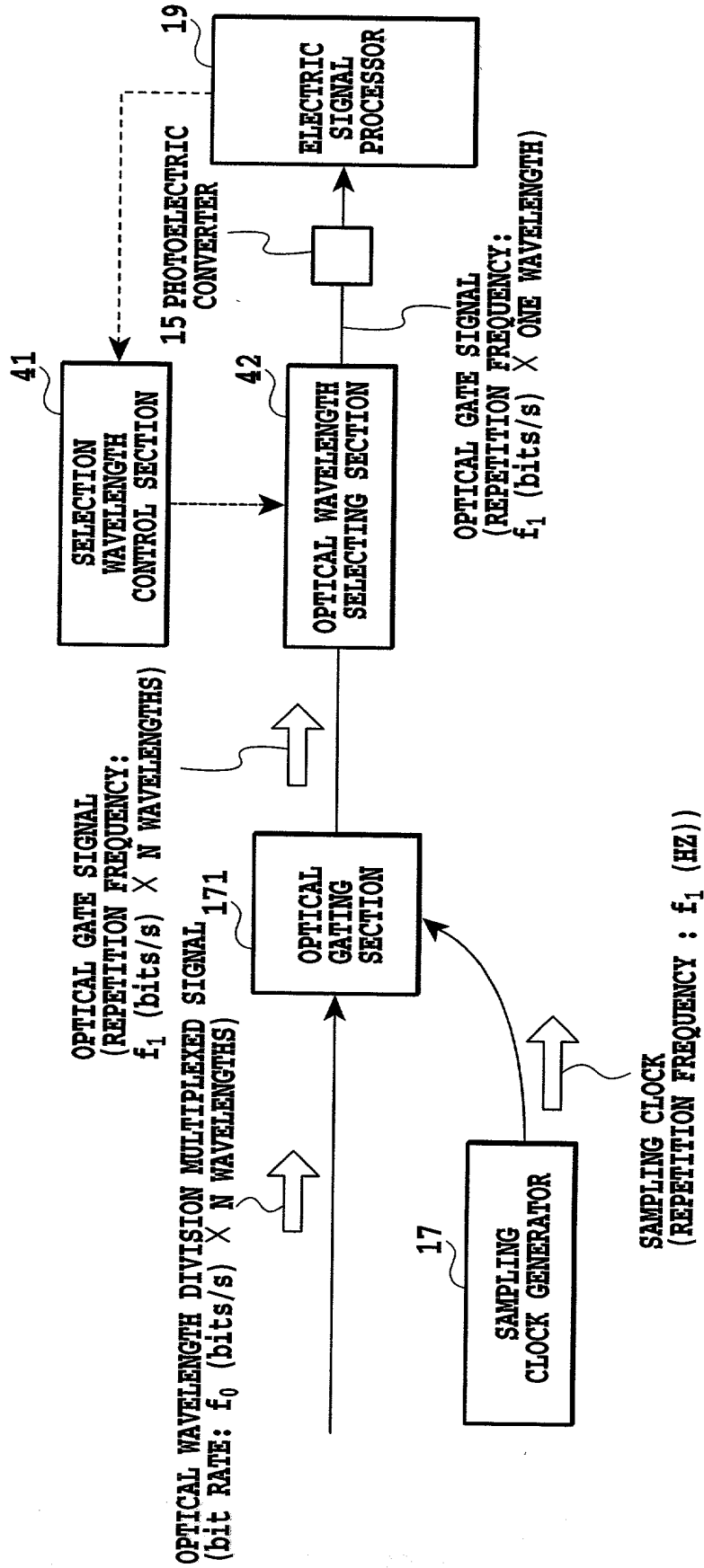


FIG.21

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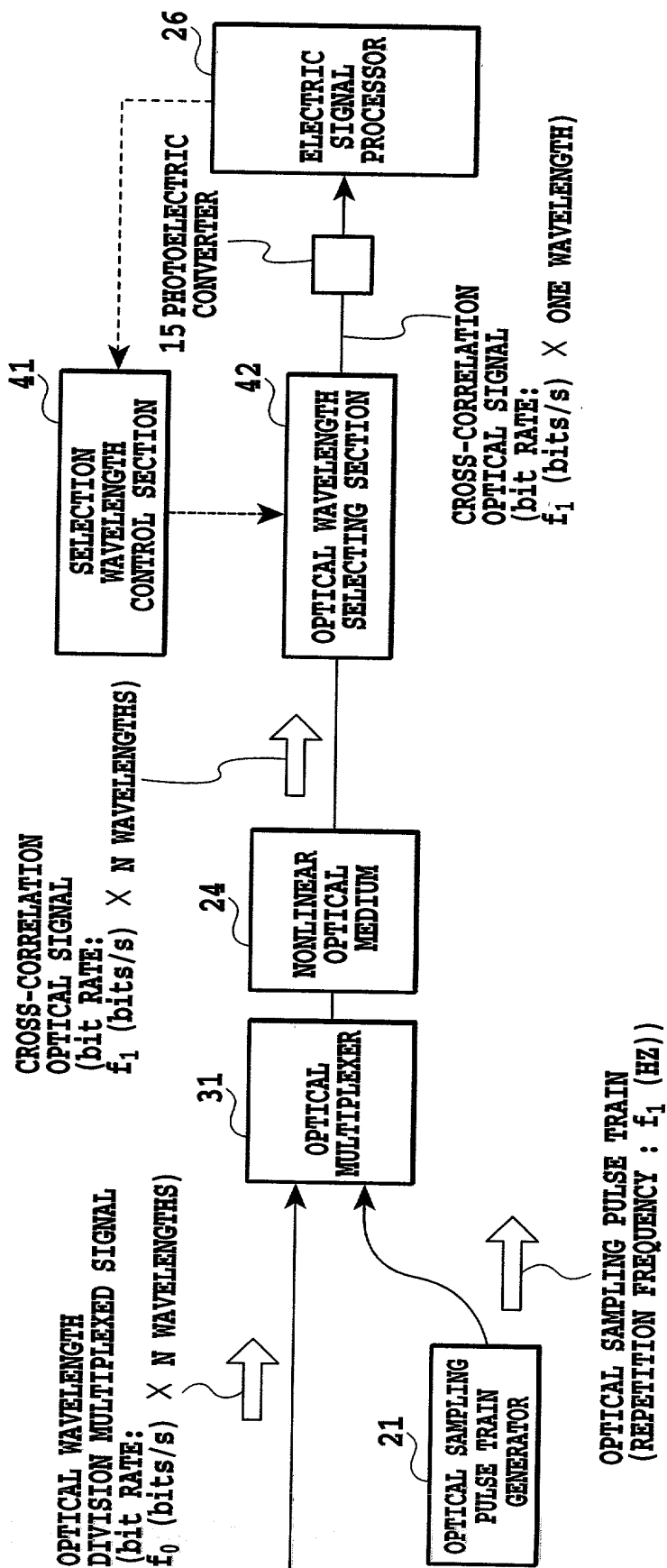


FIG.22

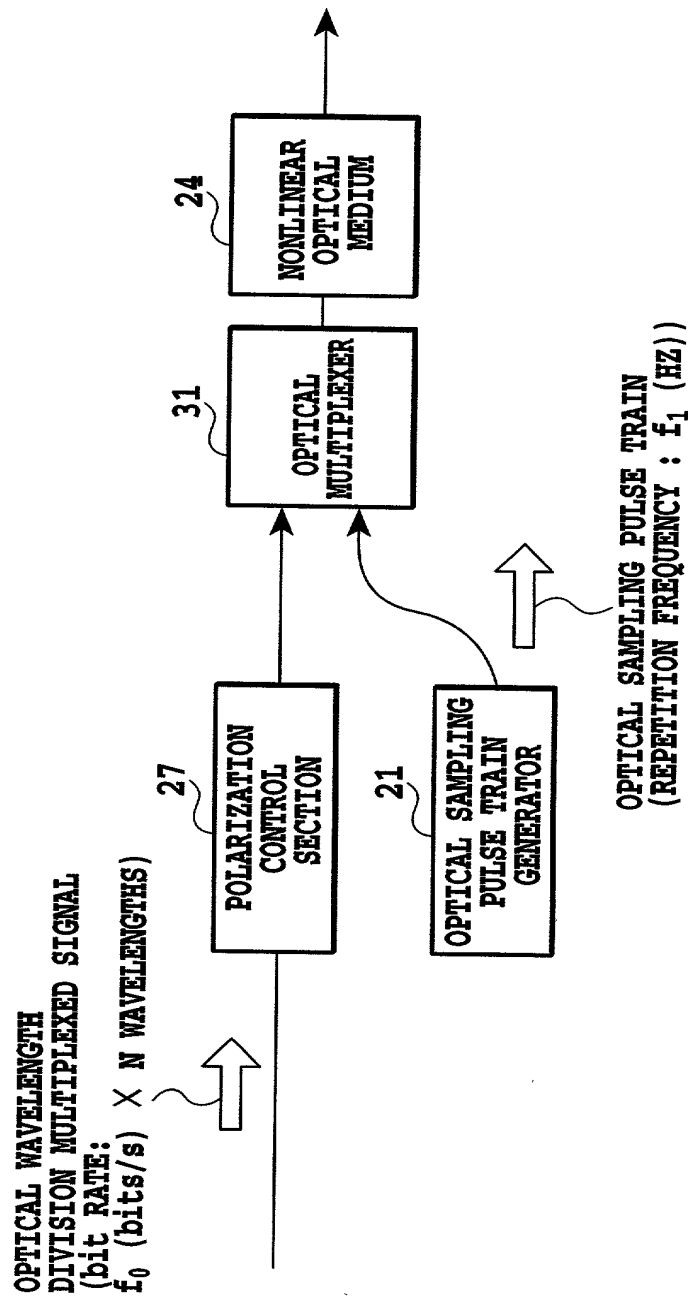


FIG.23

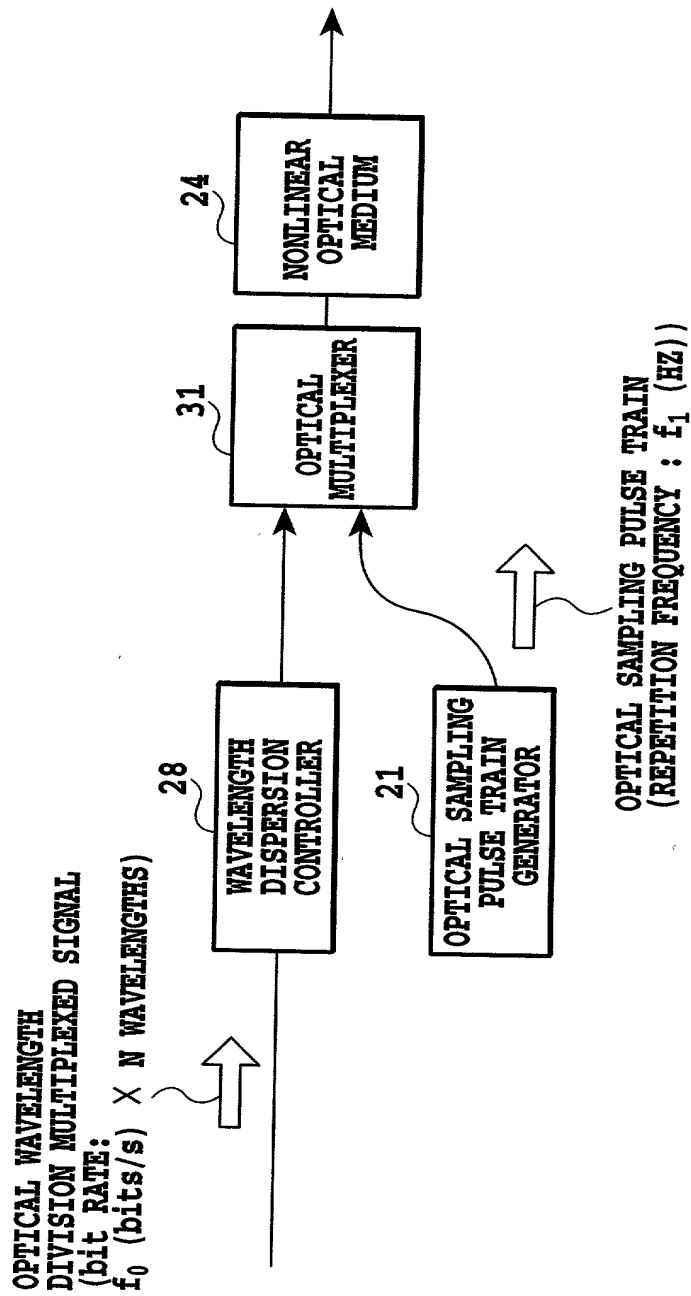


FIG.24



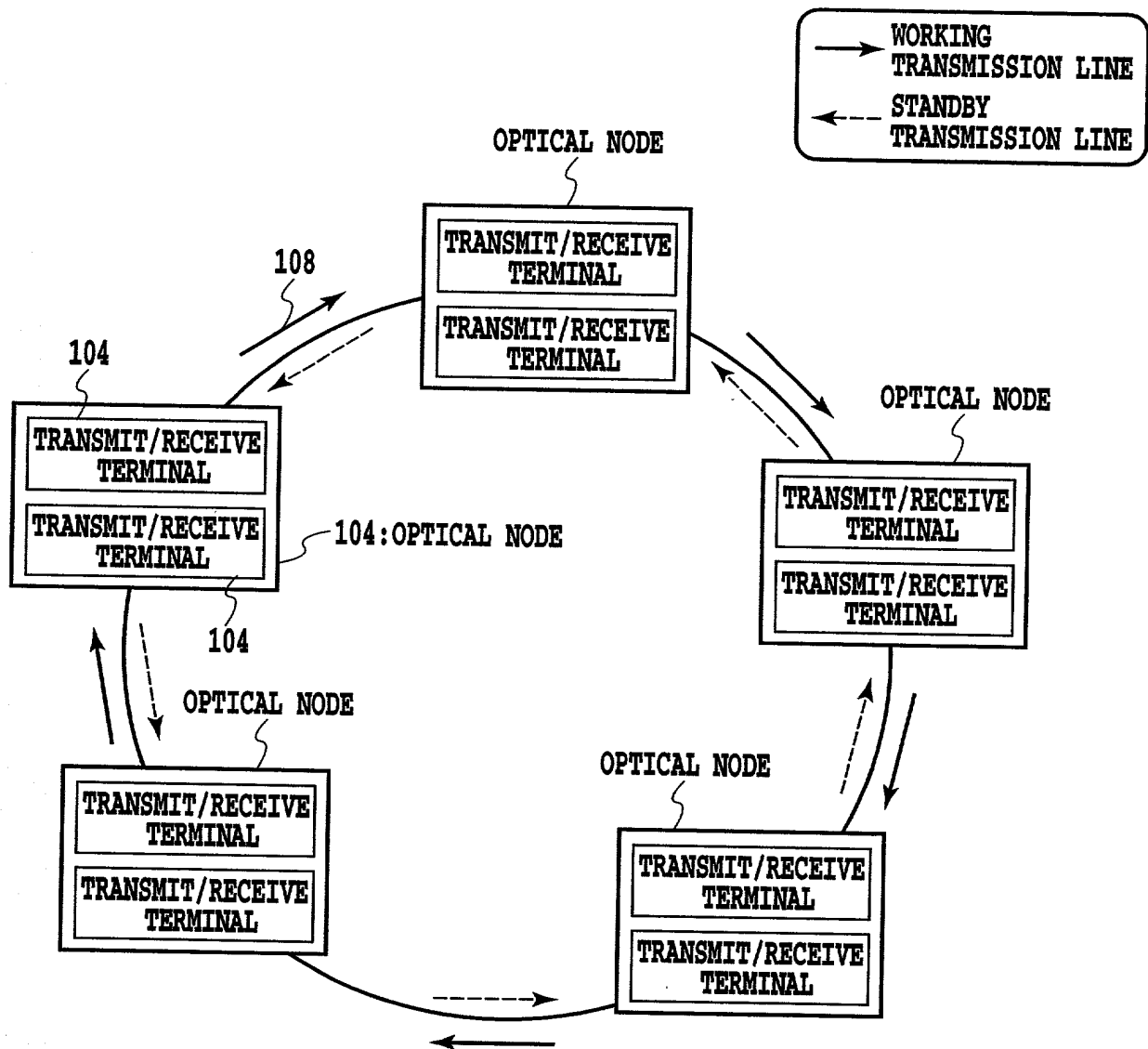


FIG.25A

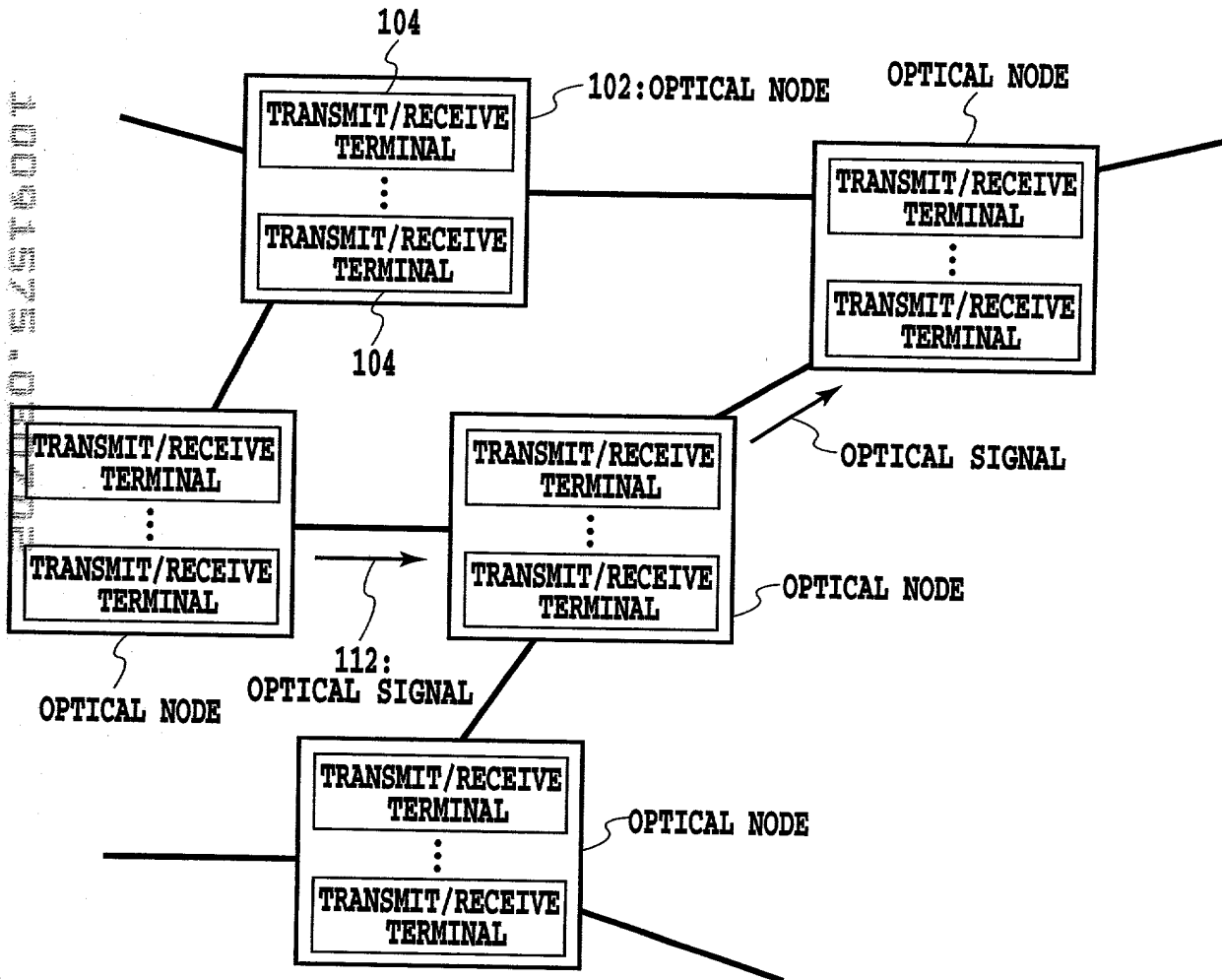


FIG.25B

FIG.26

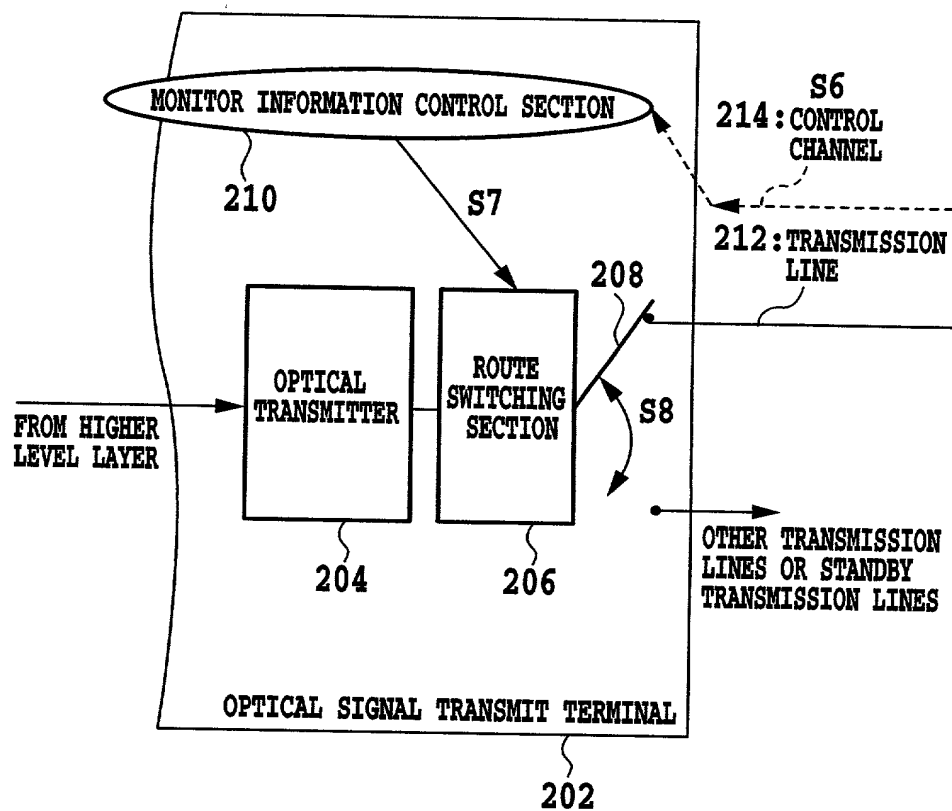
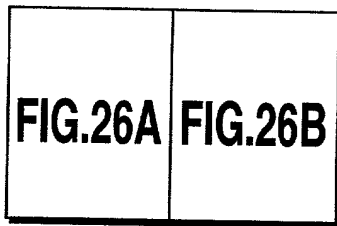


FIG.26A

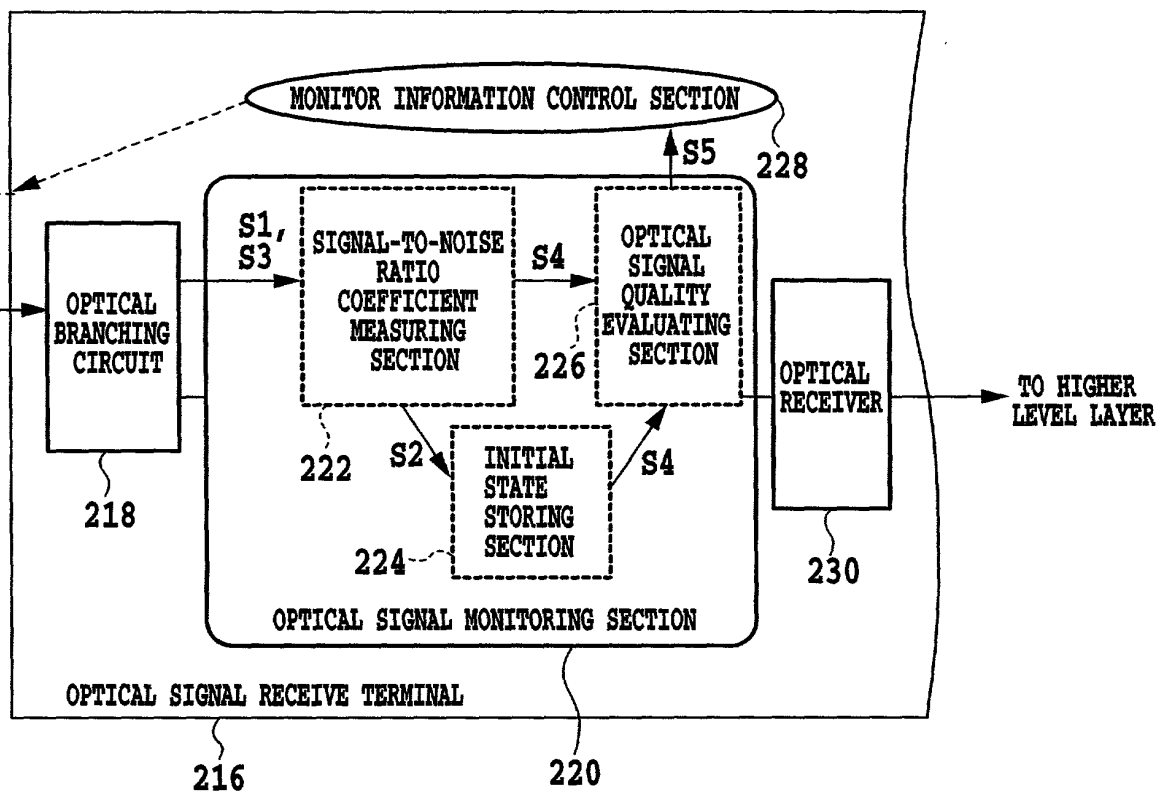


FIG.26B

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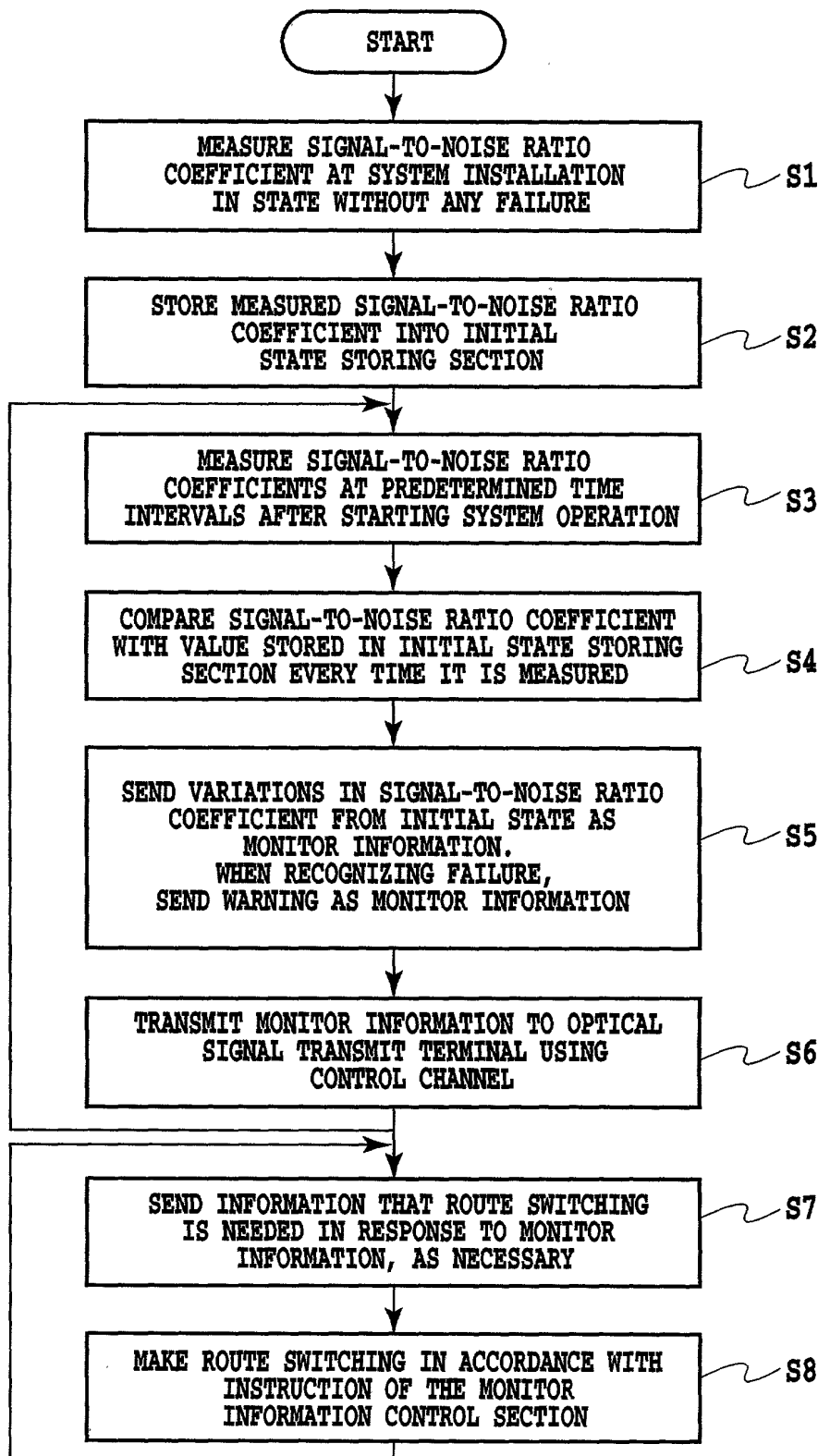


FIG.27

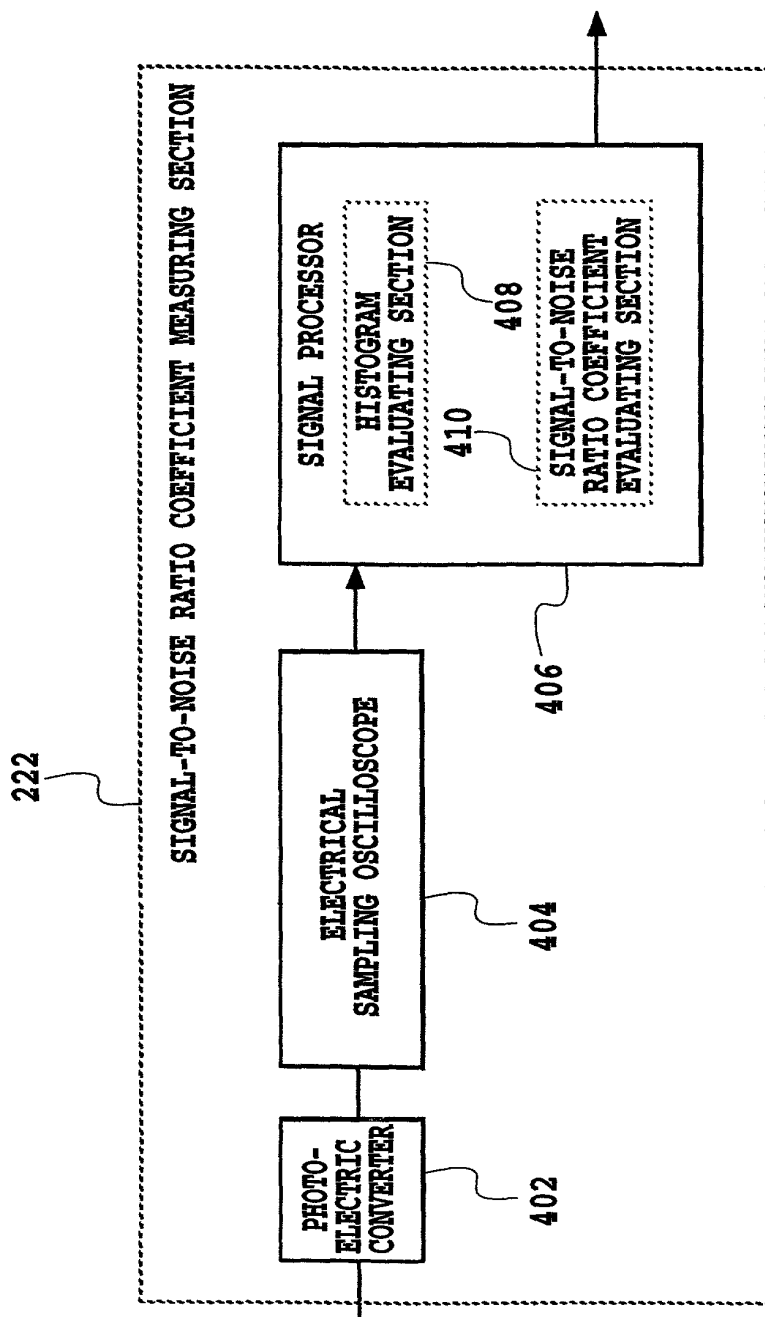


FIG.28

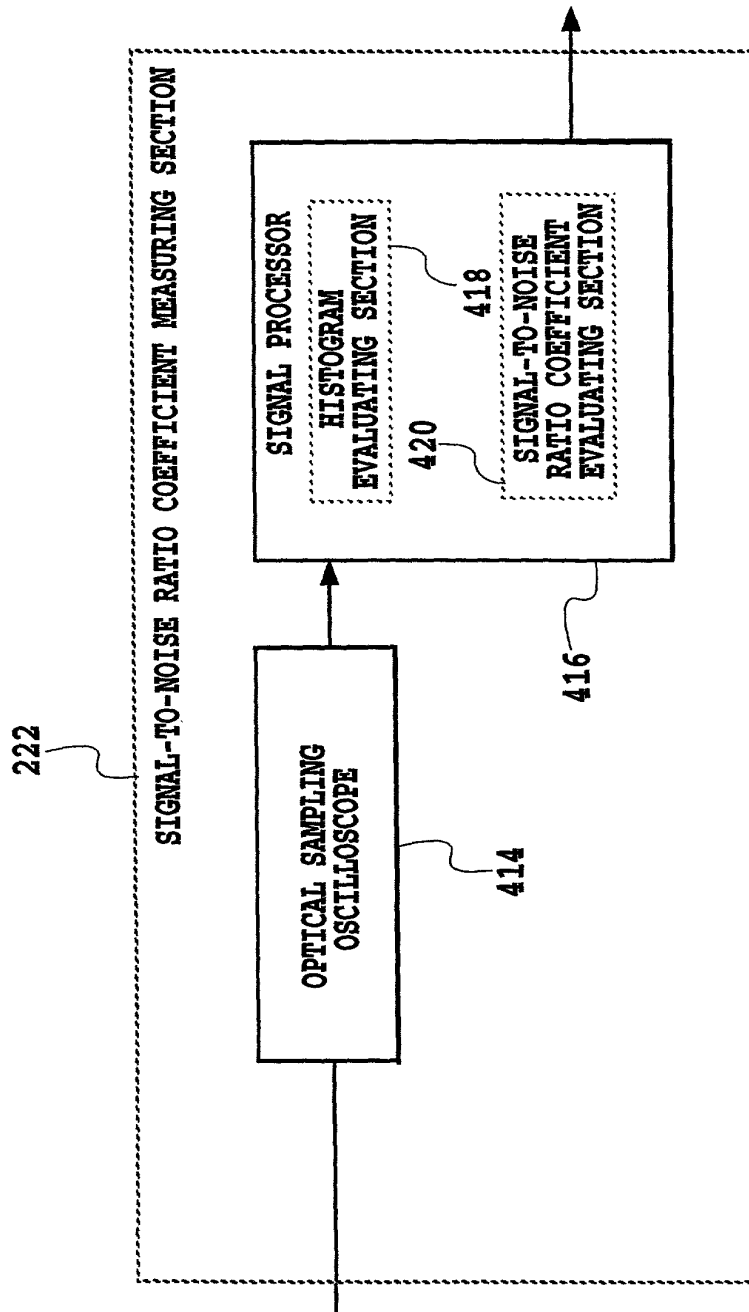


FIG.29

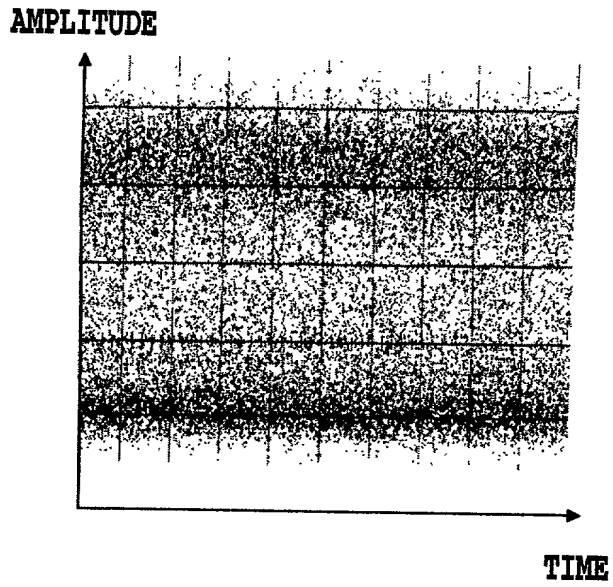


FIG.30A

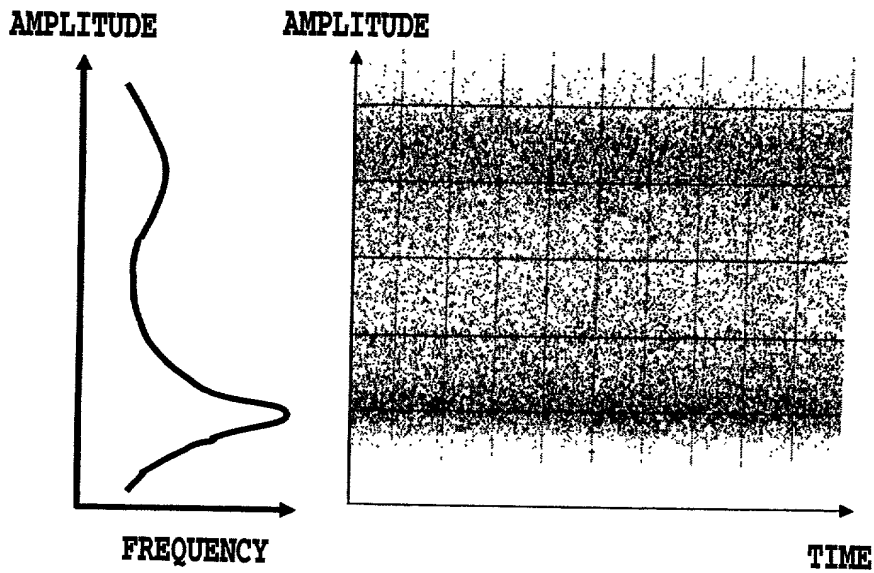


FIG.30B



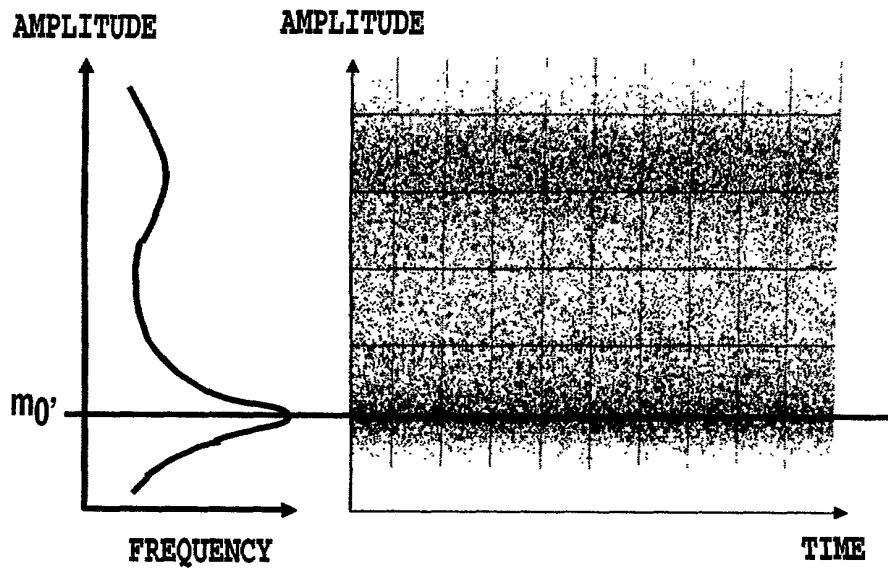


FIG.31A

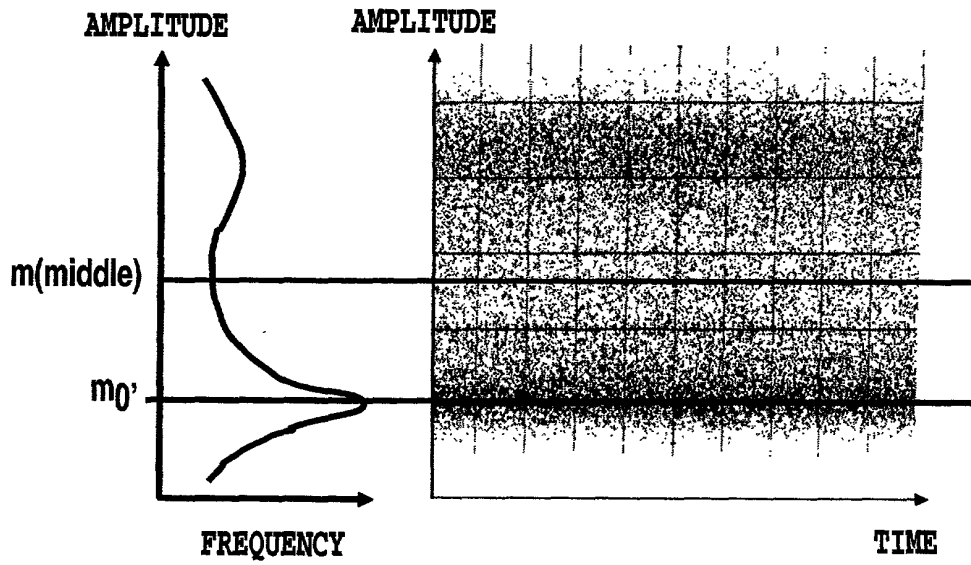


FIG.31B

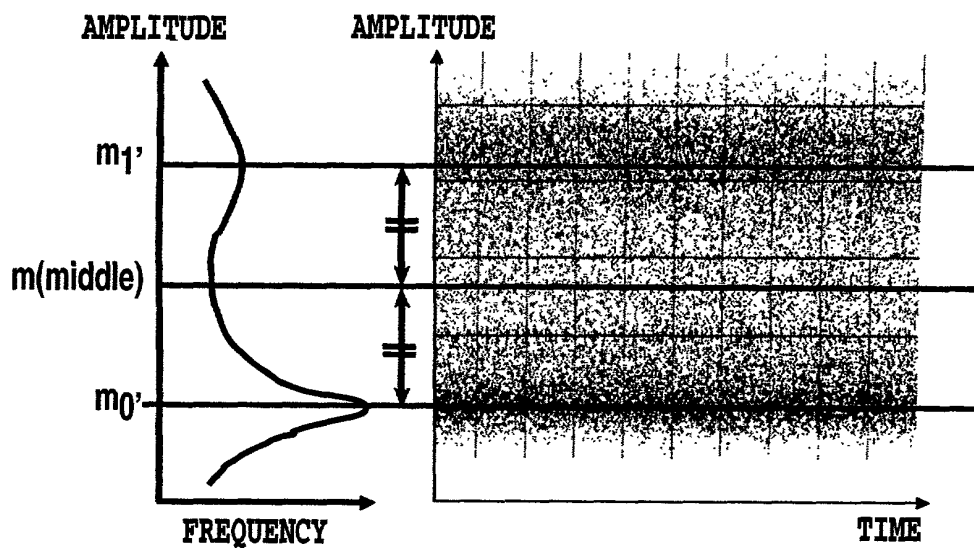


FIG. 32A

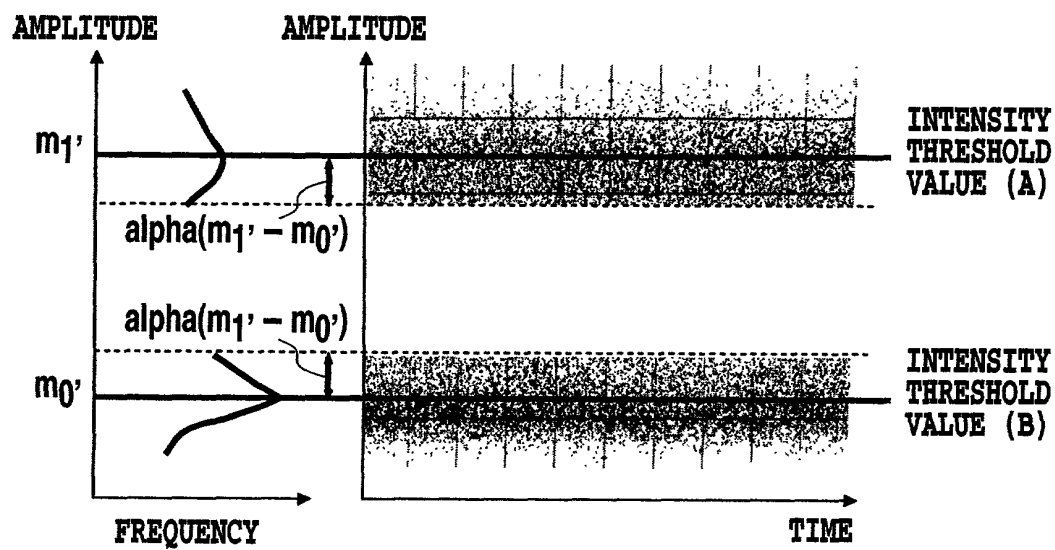


FIG. 32B

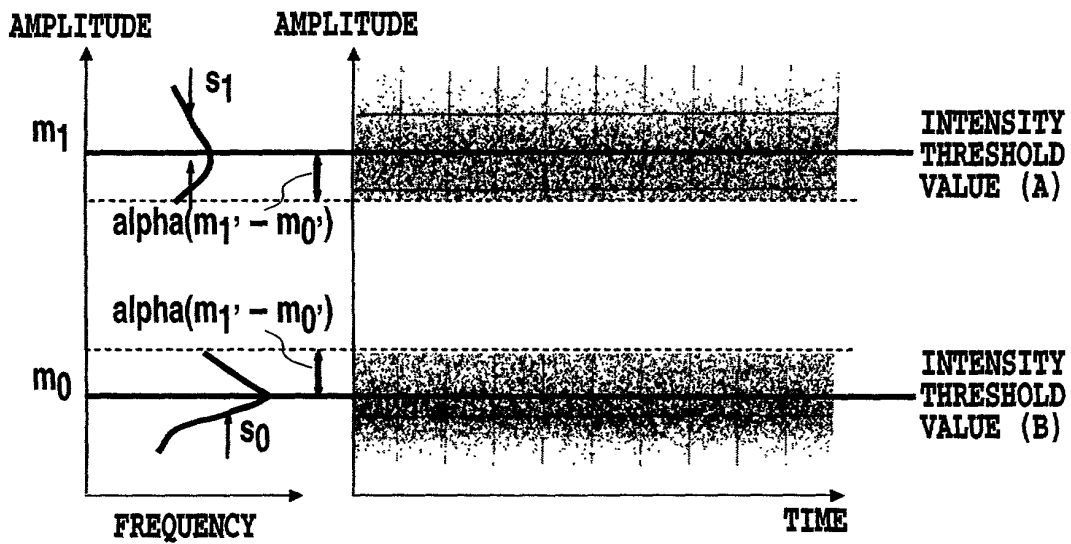
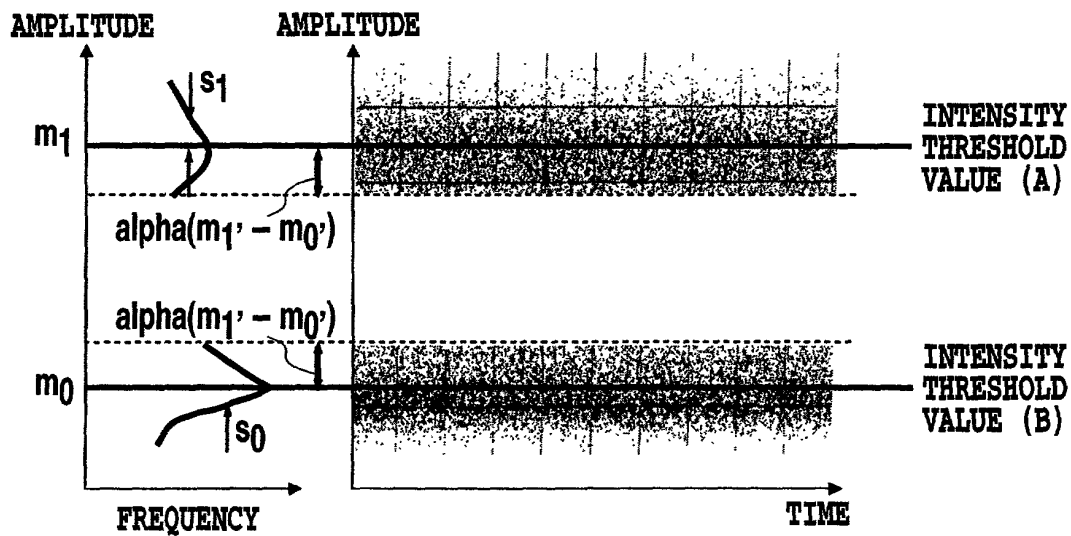


FIG.33A



$$Q = |m_1 - m_0| / (s_1 + s_0)$$

FIG.33B

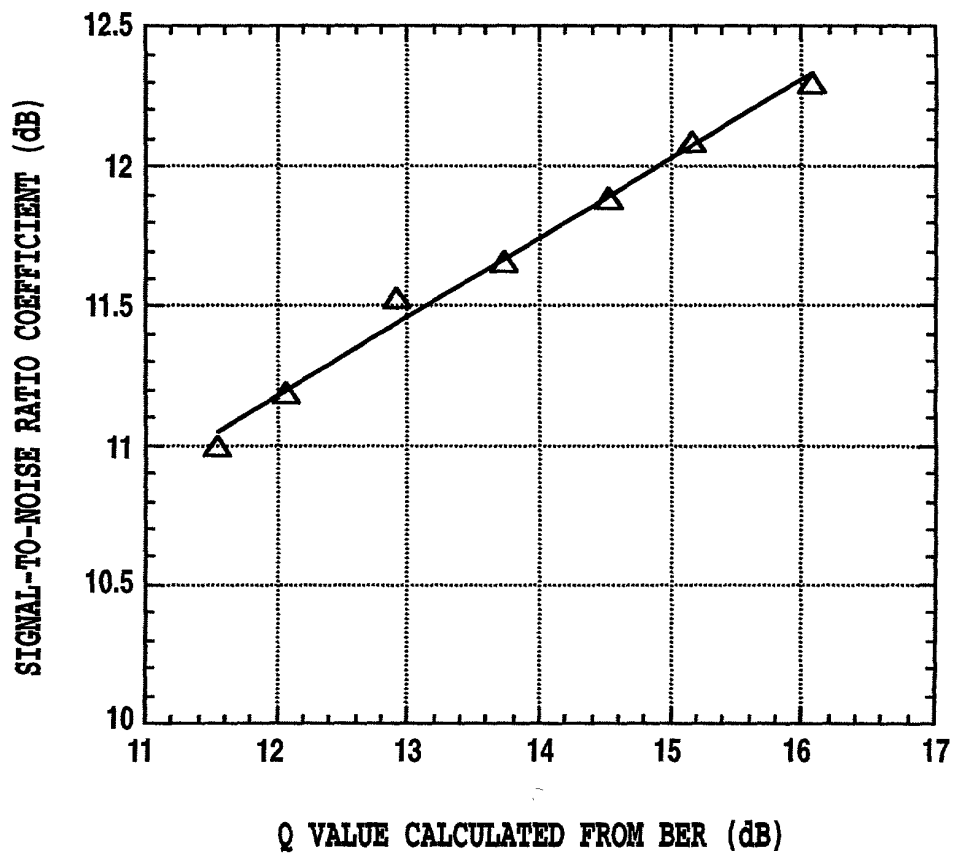


FIG.34

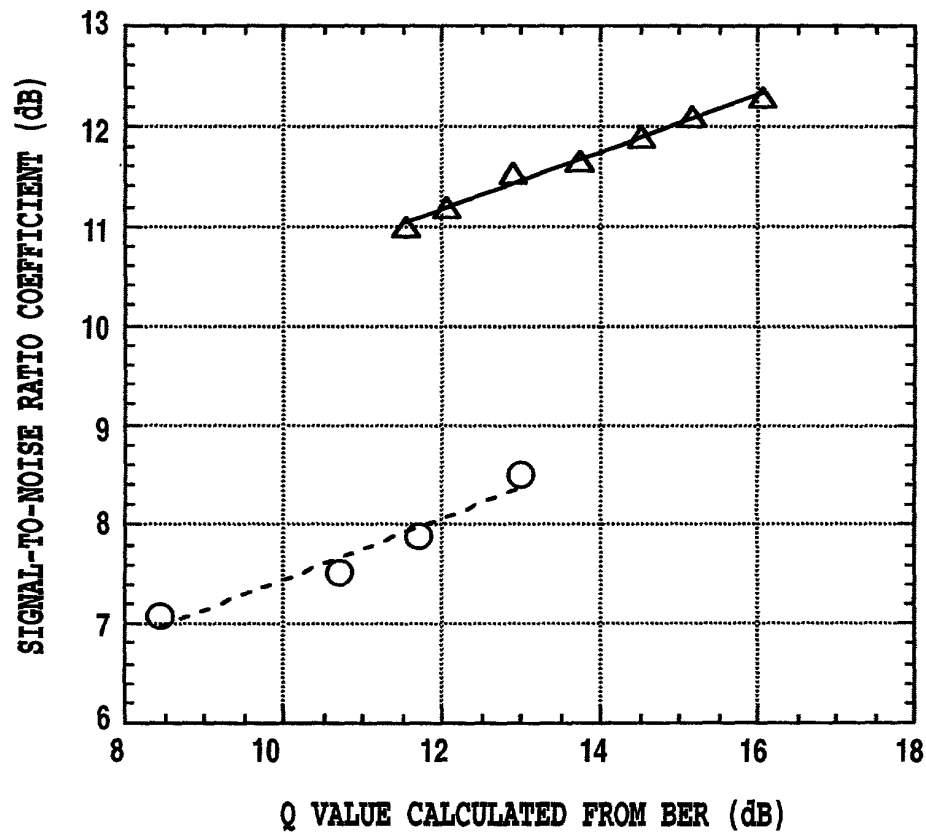


FIG.35

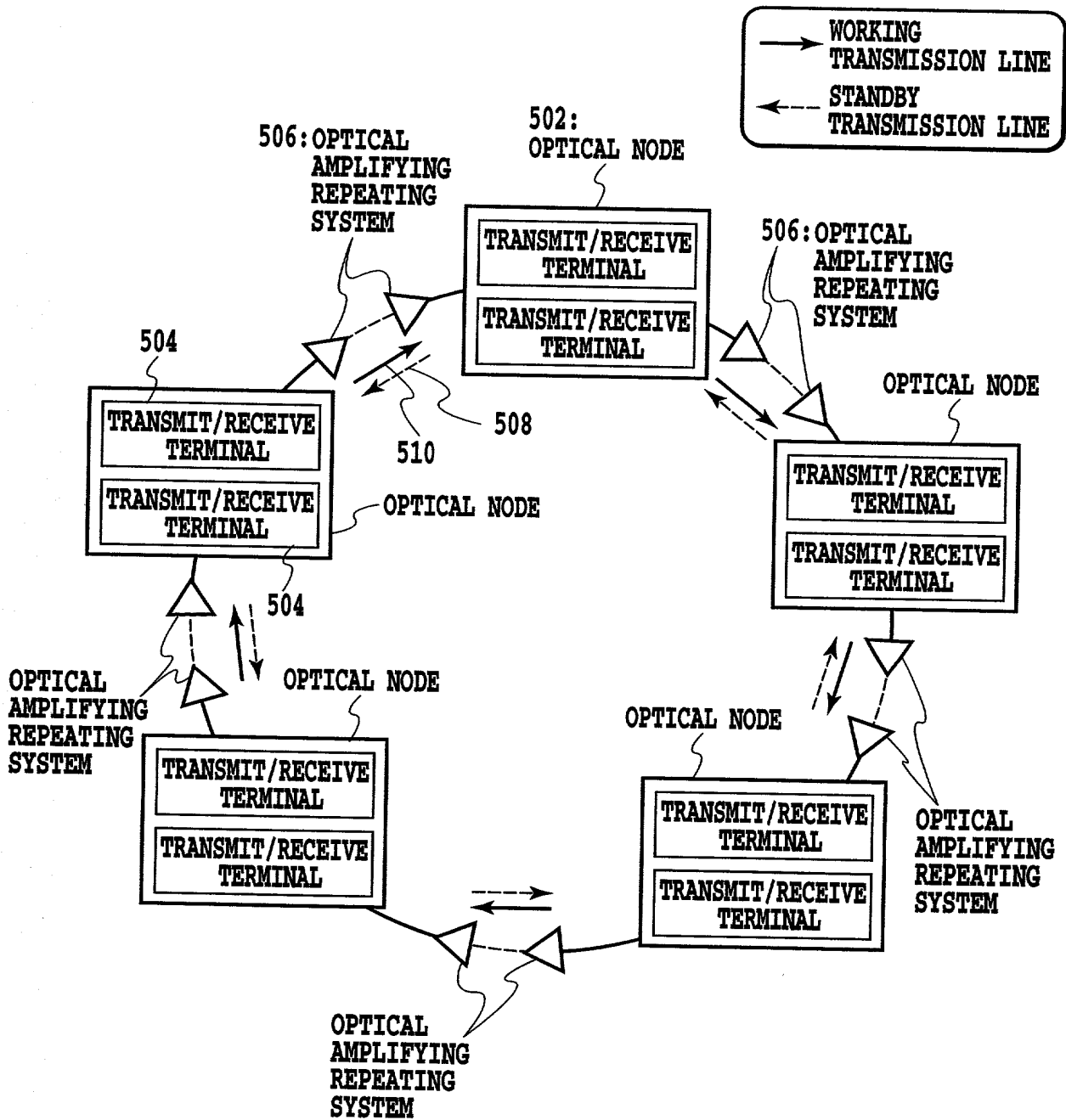


FIG.36A

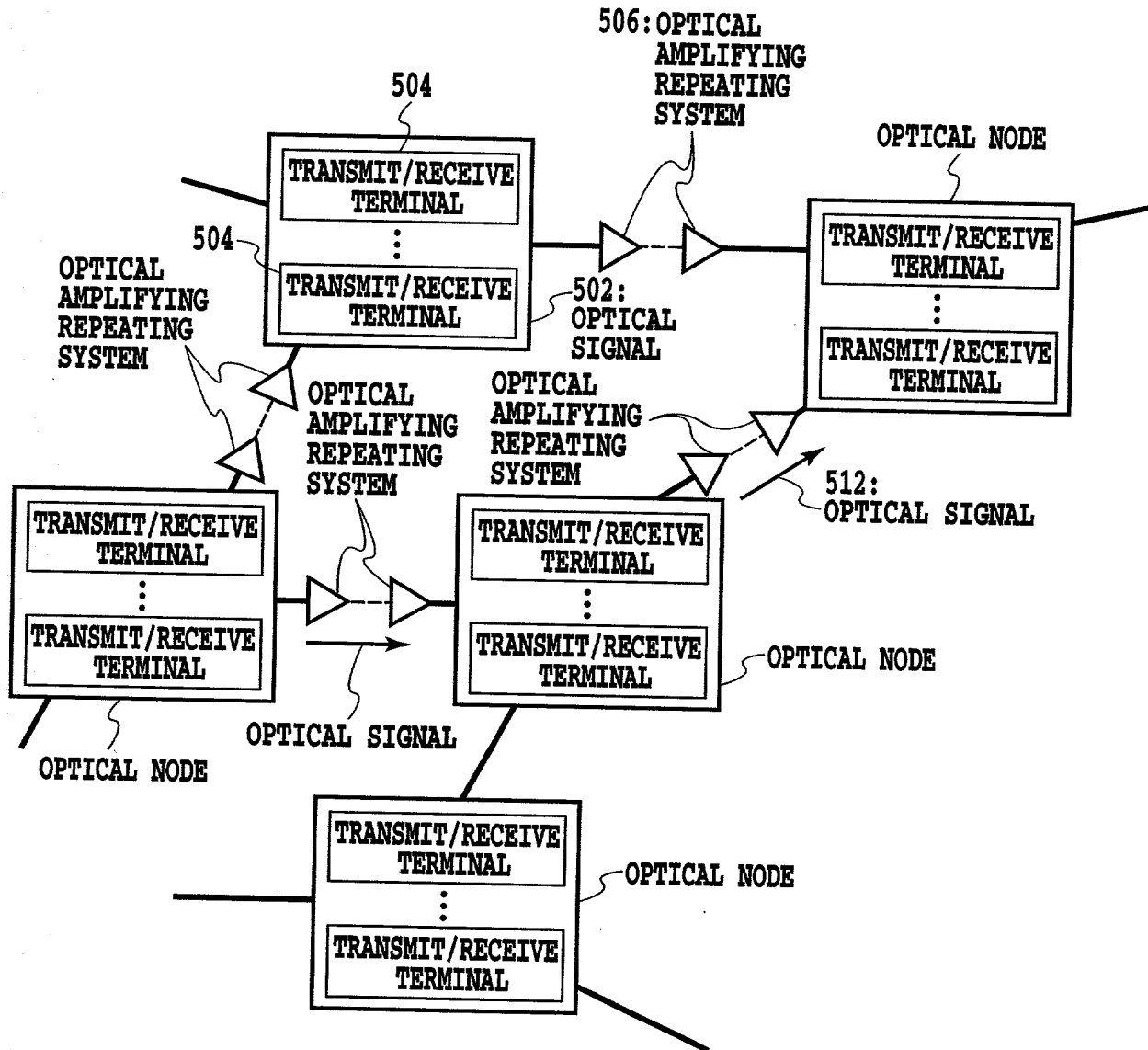


FIG.36B

FIG.37

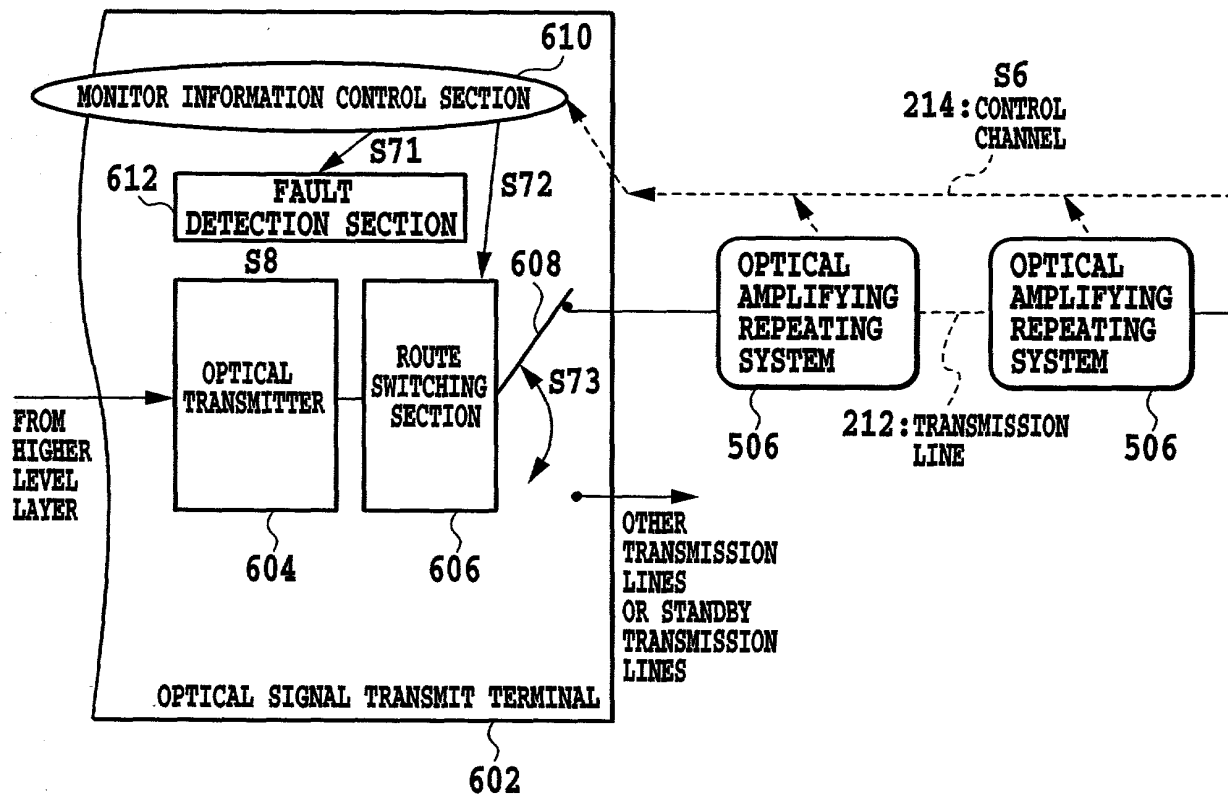
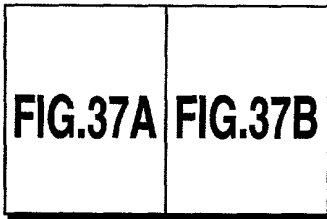


FIG.37A



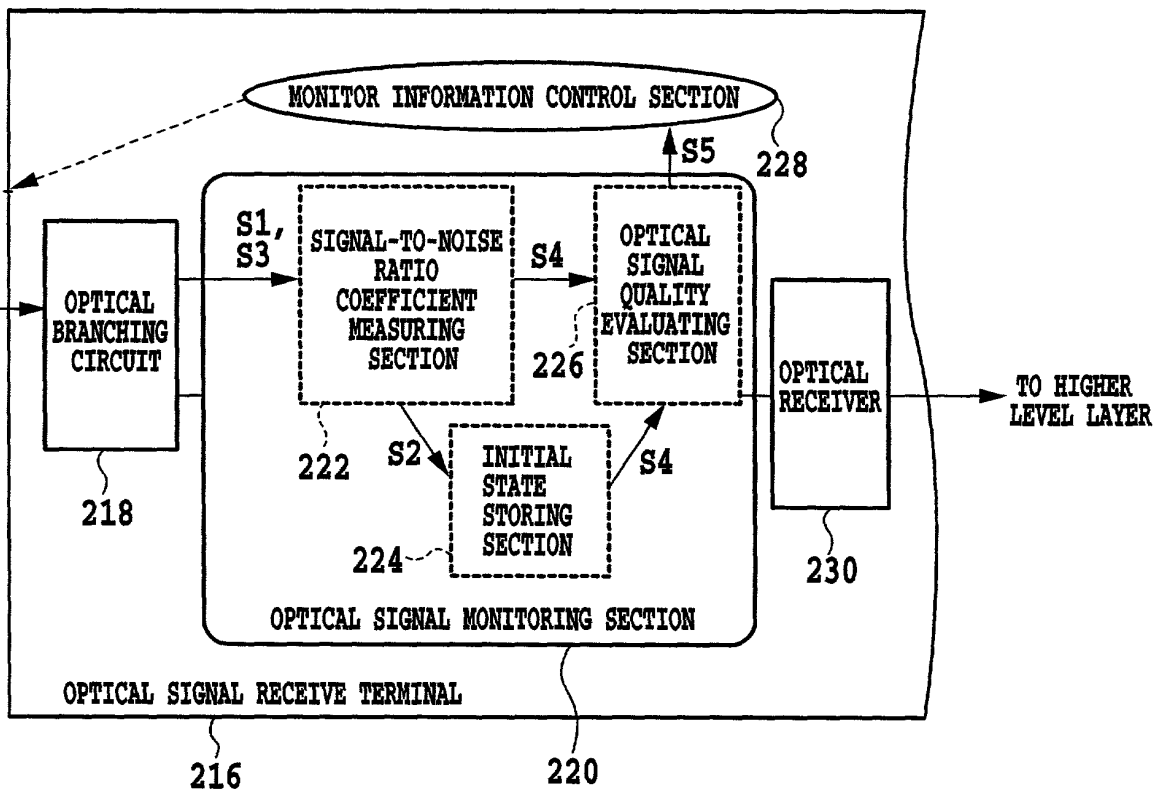


FIG.37B

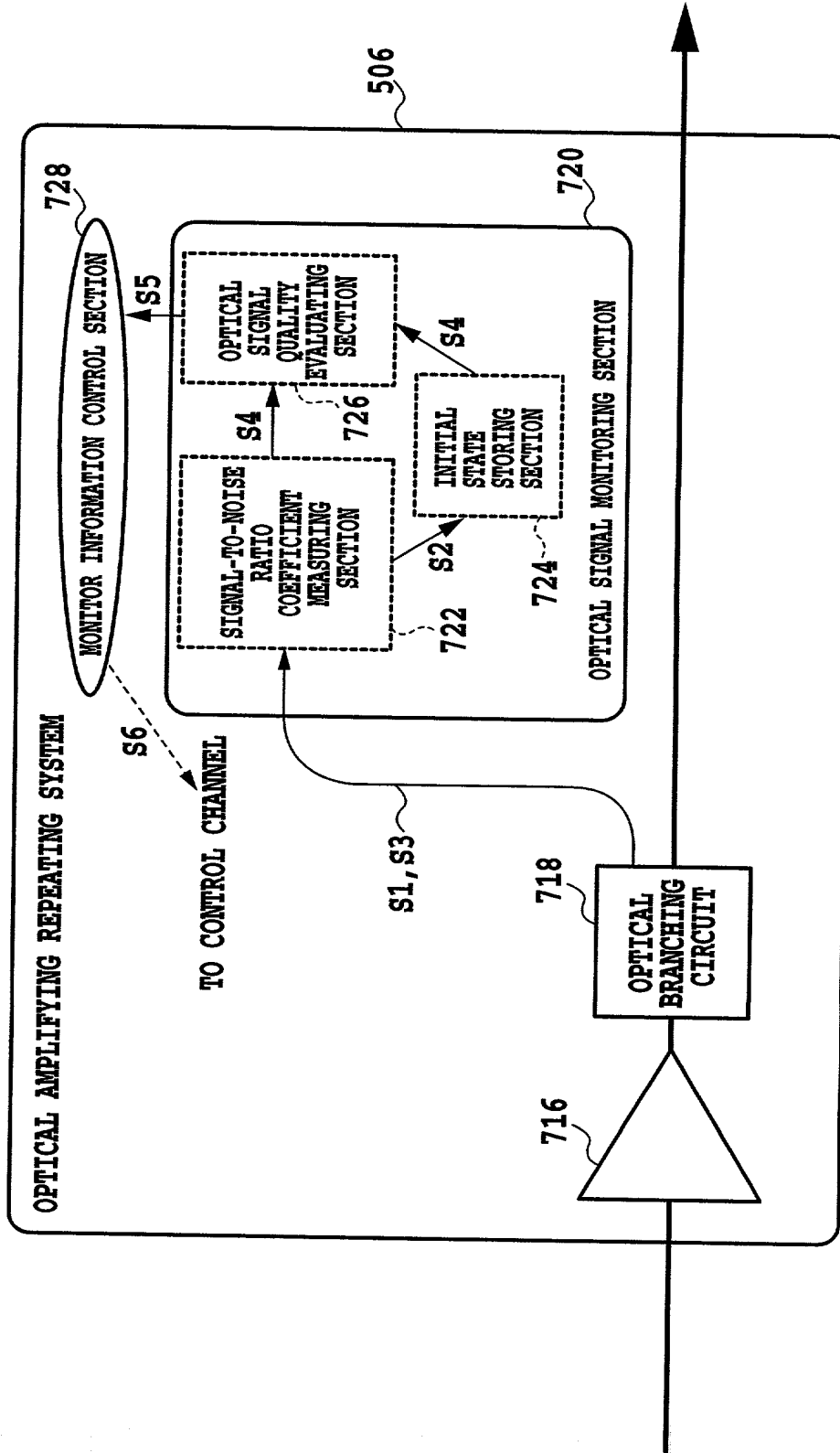


FIG.38

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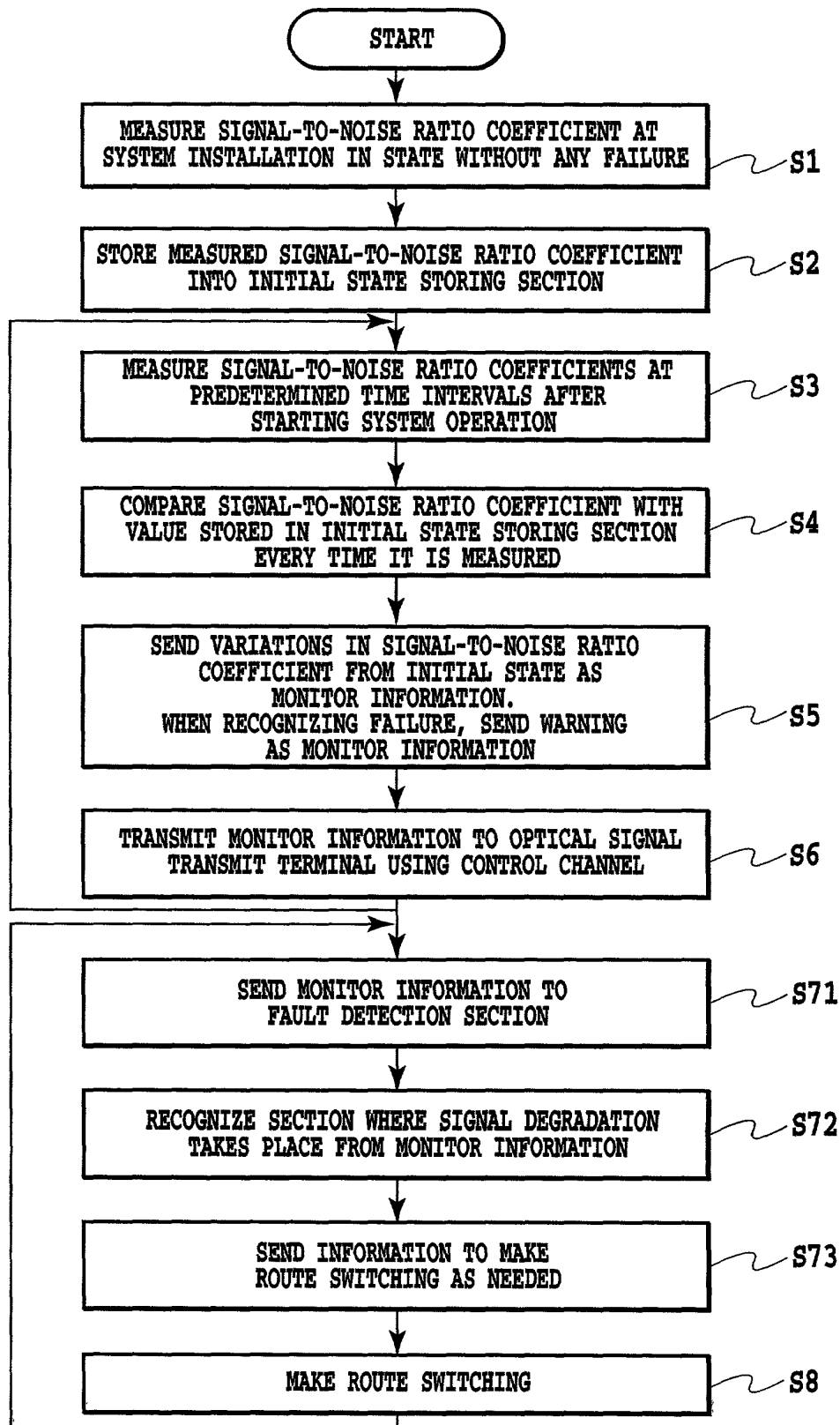


FIG.39

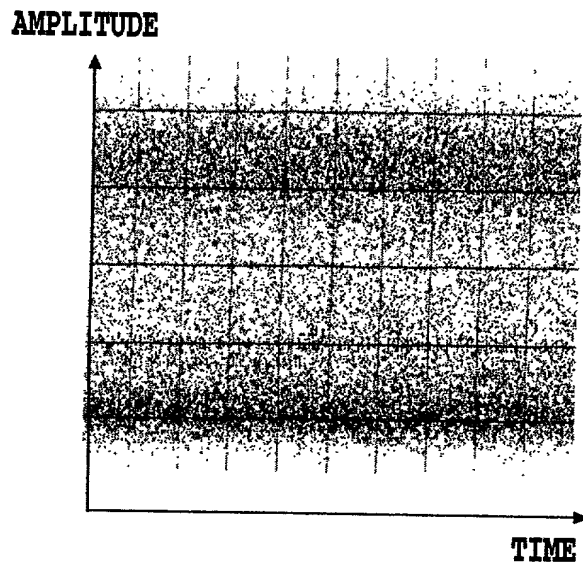


FIG.40A

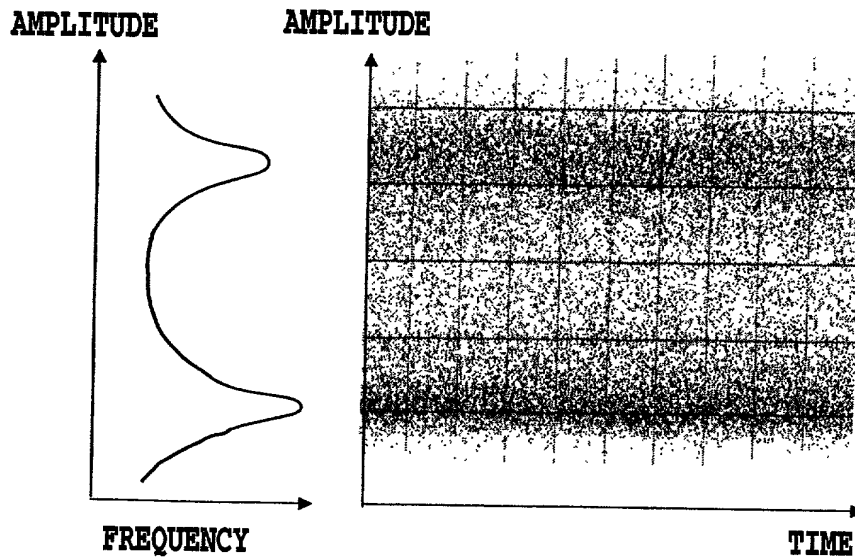


FIG.40B

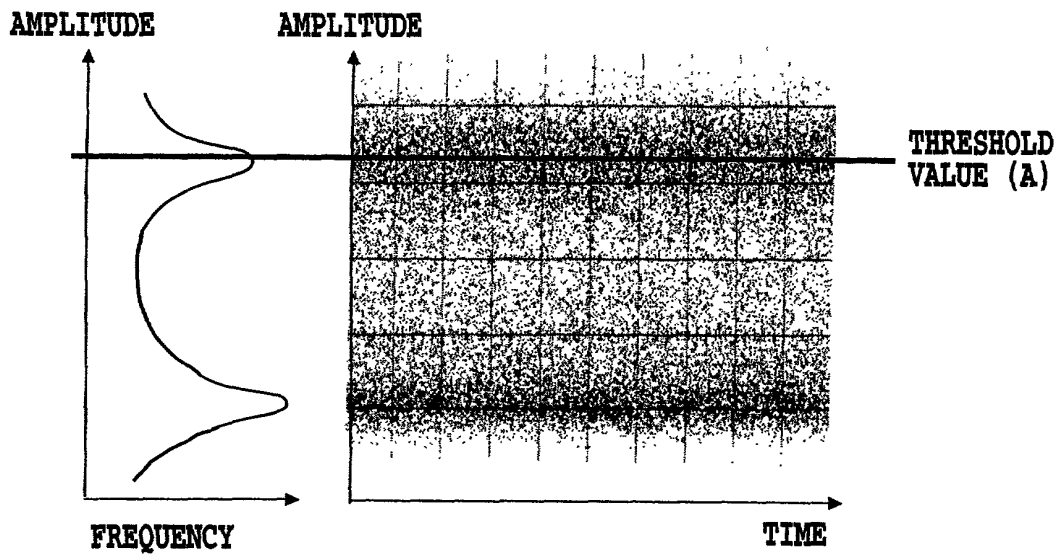


FIG. 41A

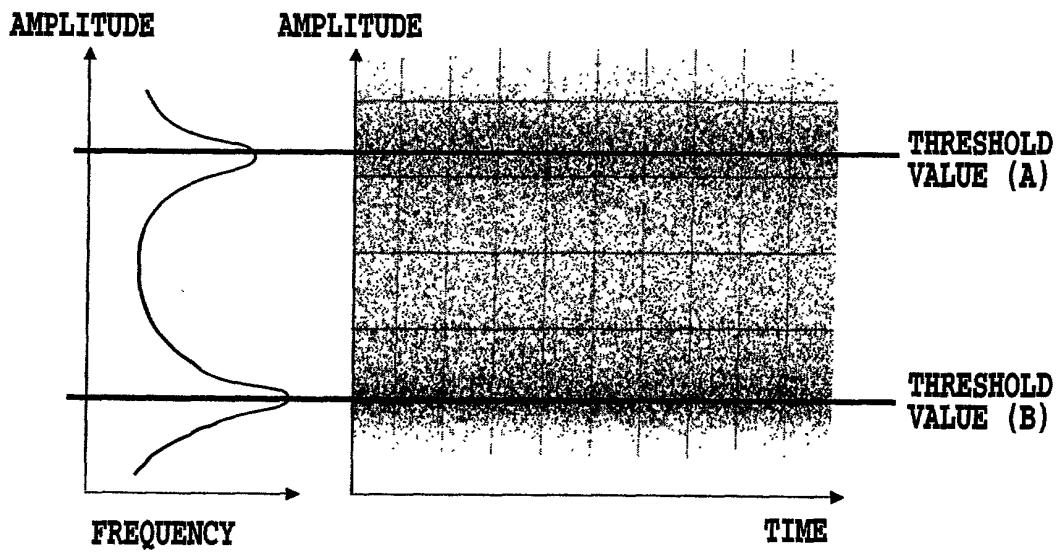


FIG. 41B

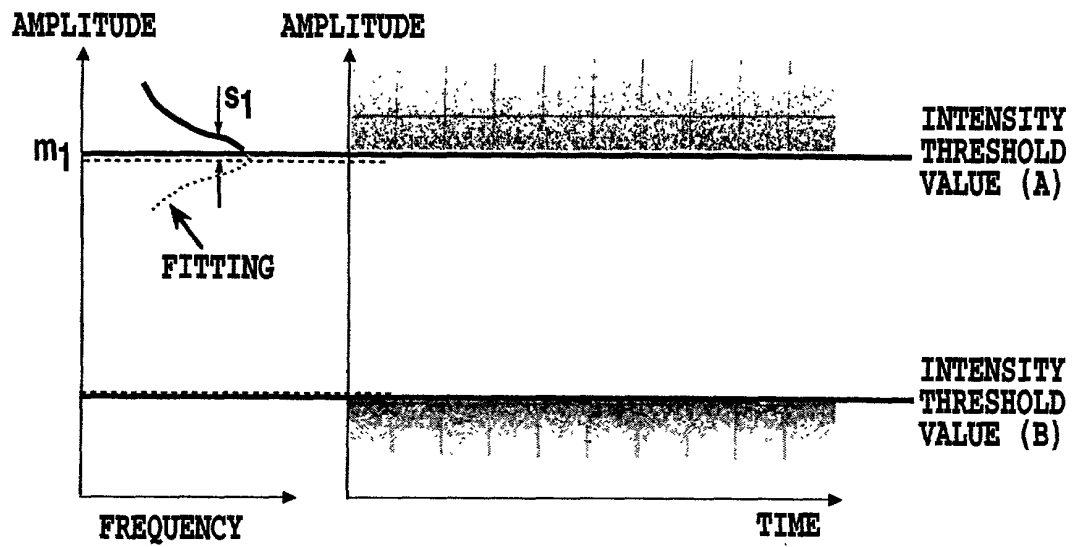


FIG.42A

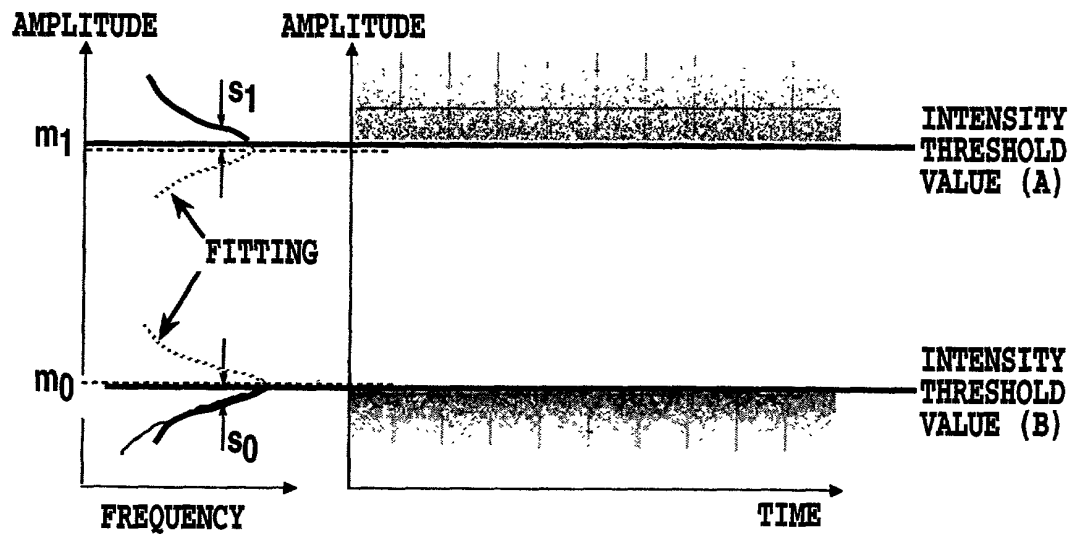
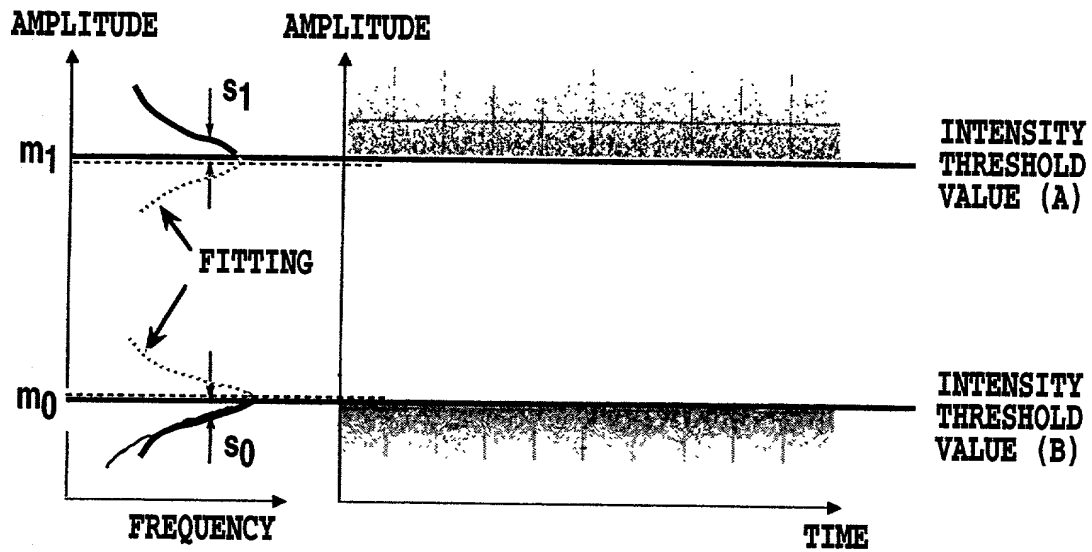


FIG.42B



$$Q = |m_1 - m_0| / (s_1 + s_0)$$

**FIG.43**

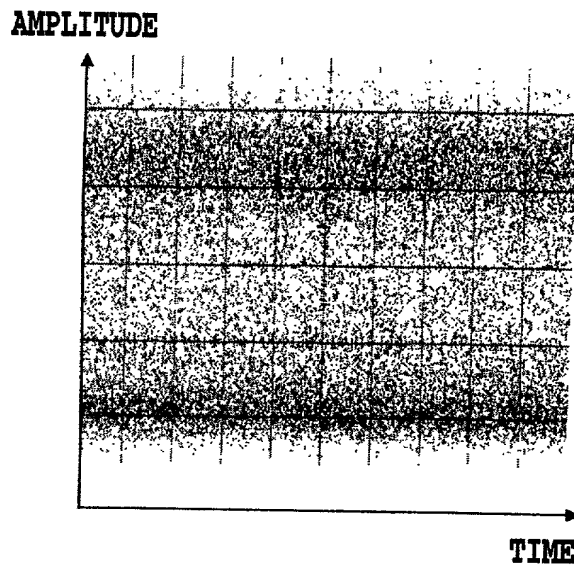


FIG.44A

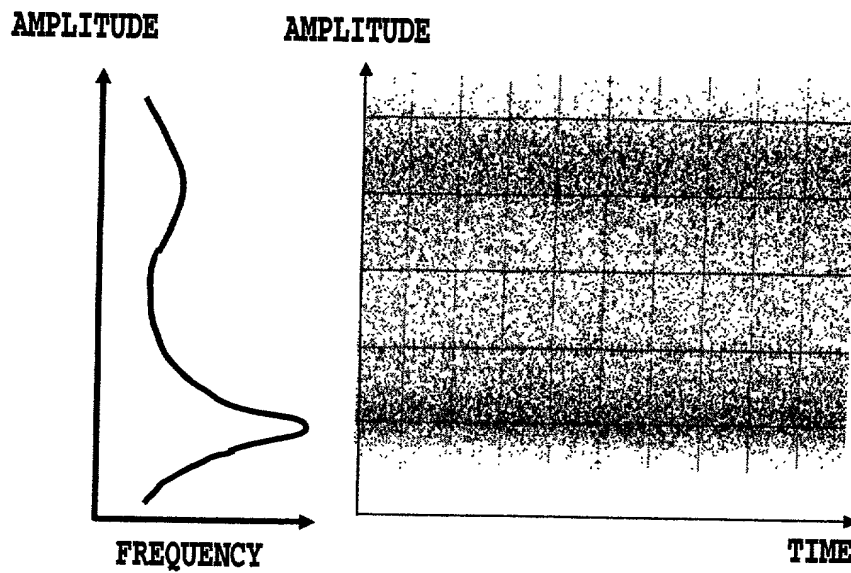


FIG.44B



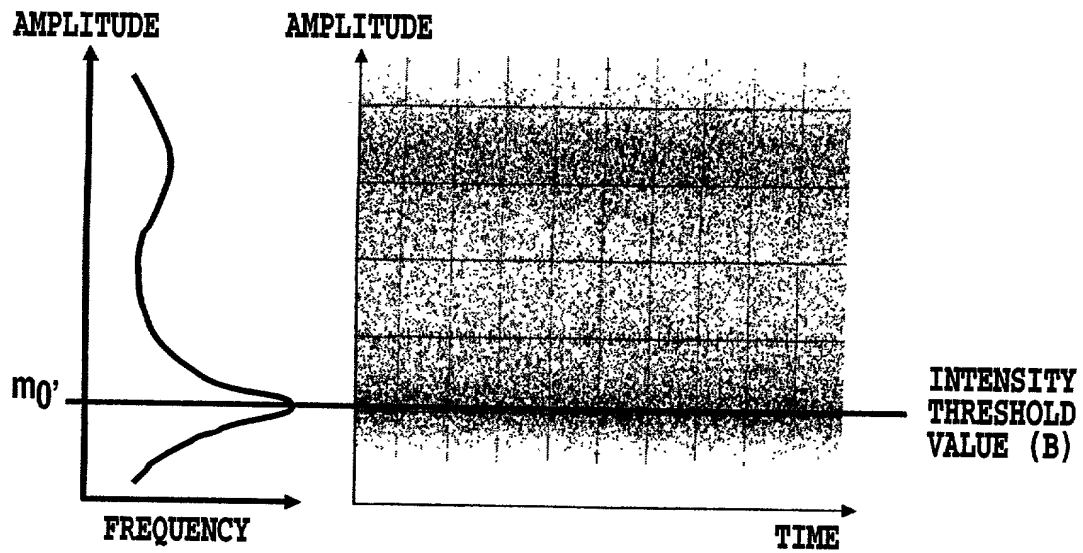


FIG. 45A

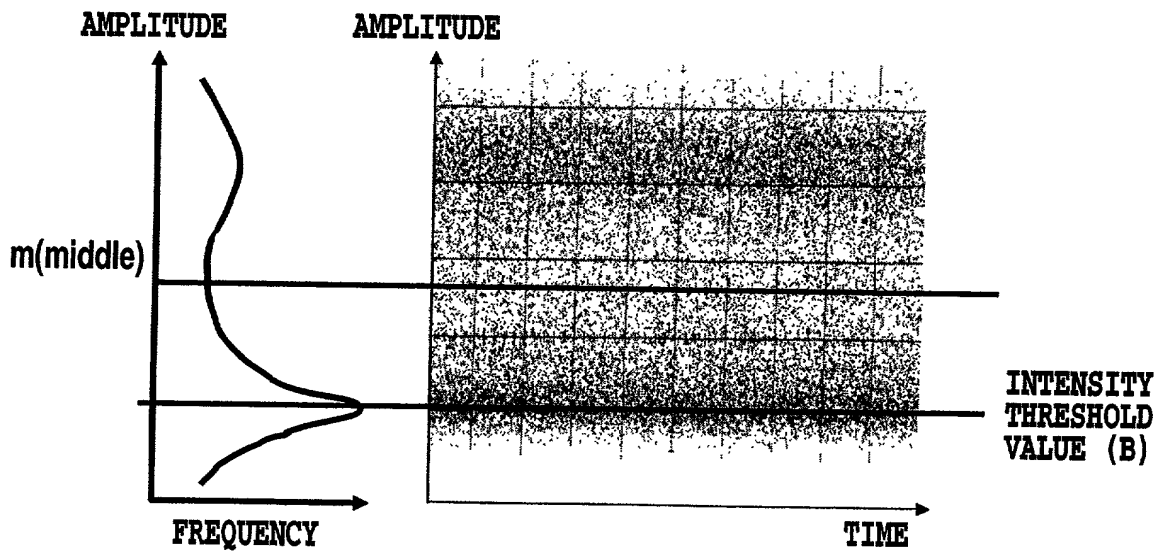


FIG. 45B

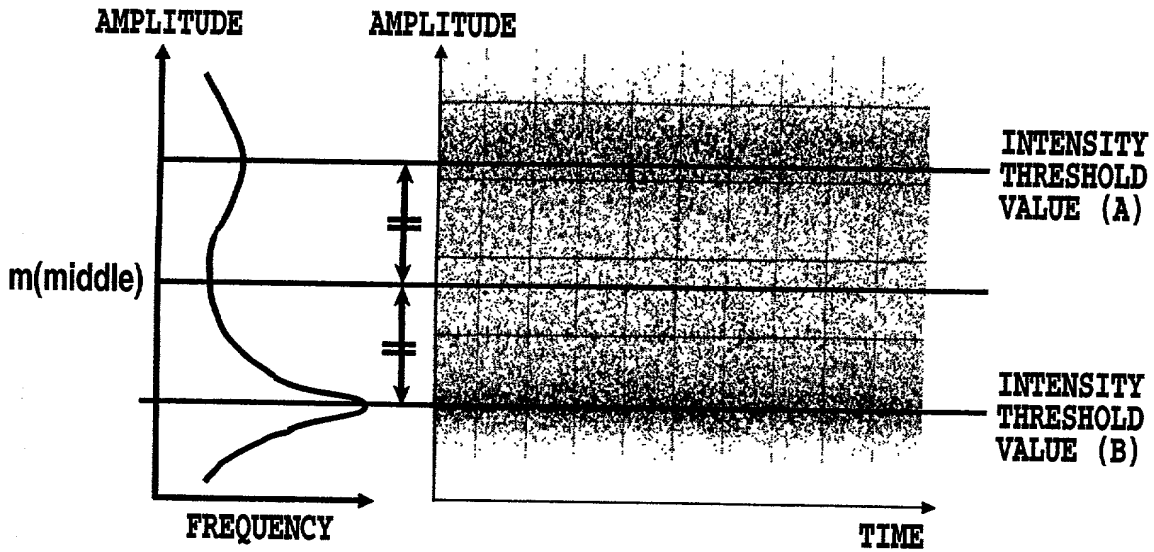


FIG. 46A

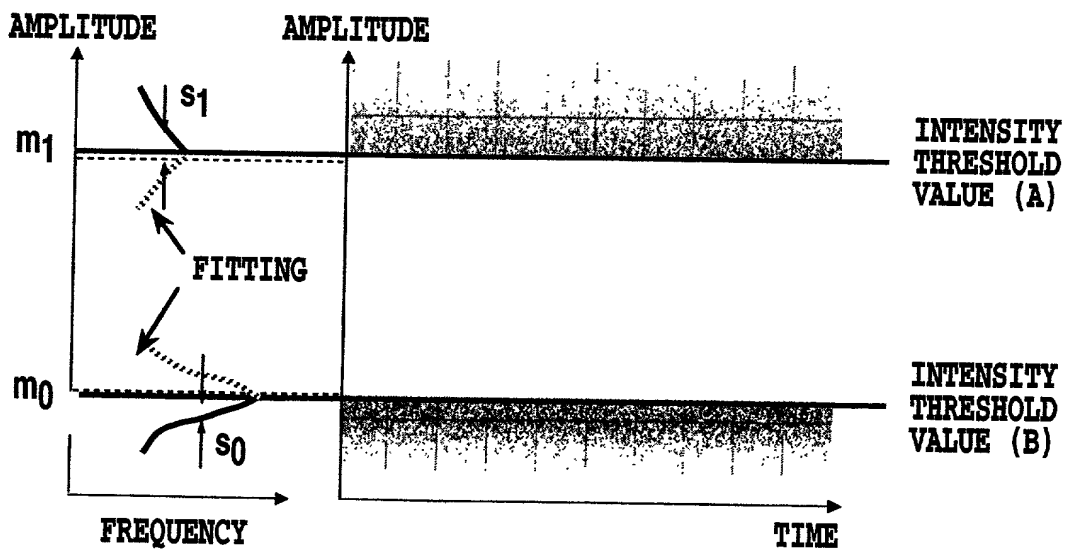
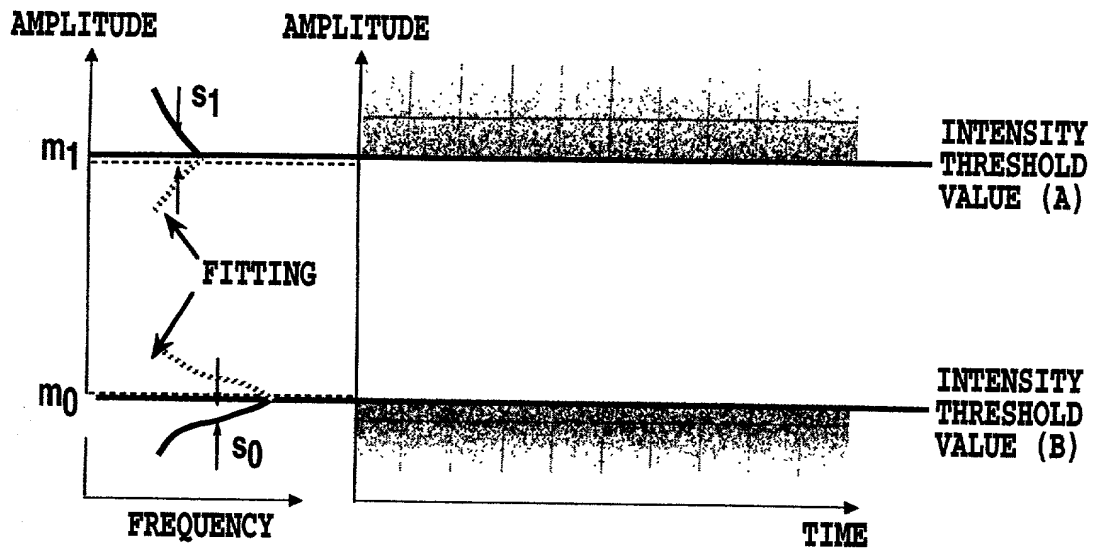


FIG. 46B



$$Q = |m_1 - m_0| / (s_1 + s_0)$$

FIG.47

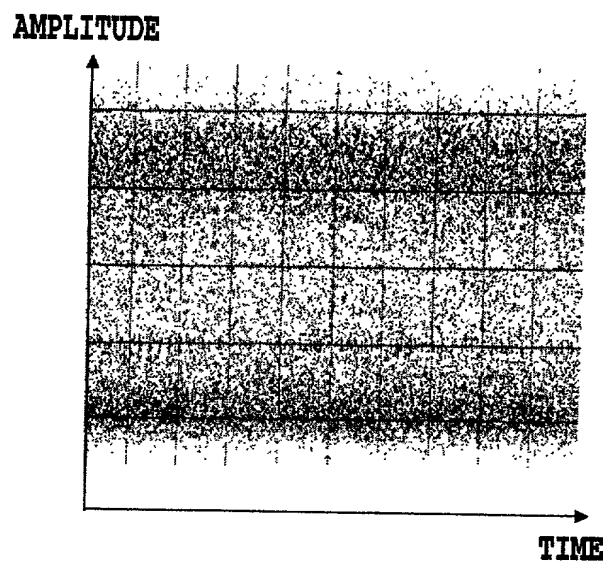


FIG.48A

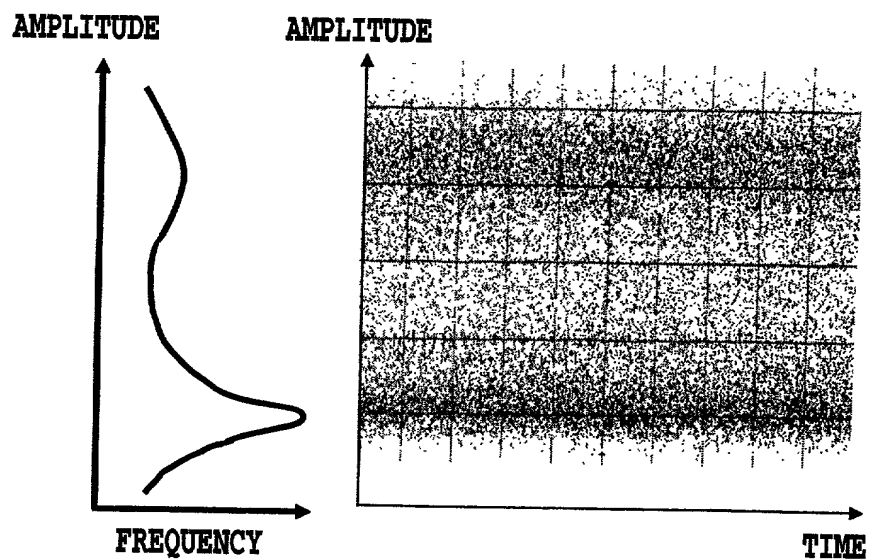


FIG.48B

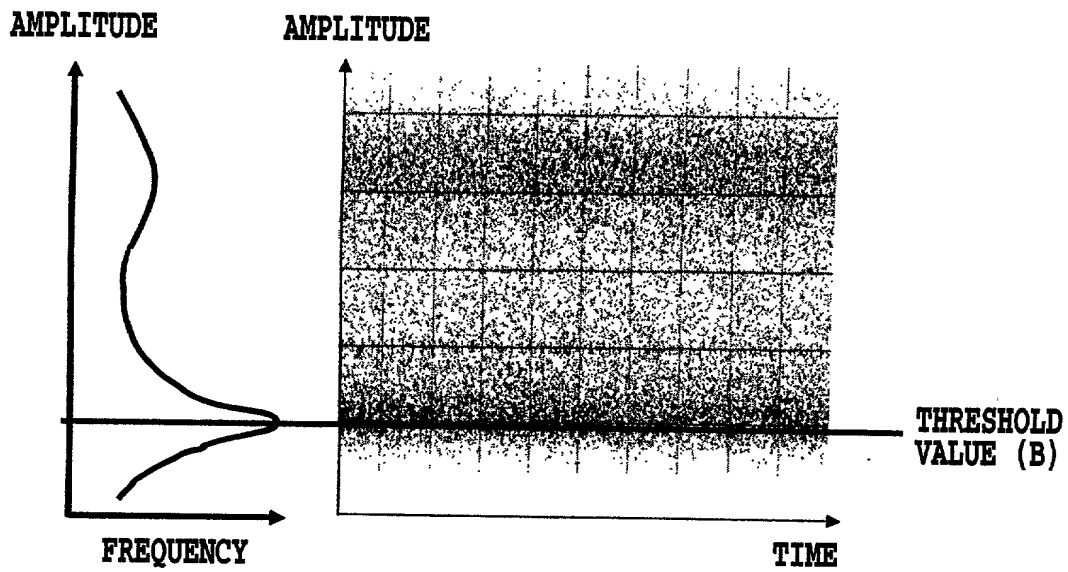


FIG.49A

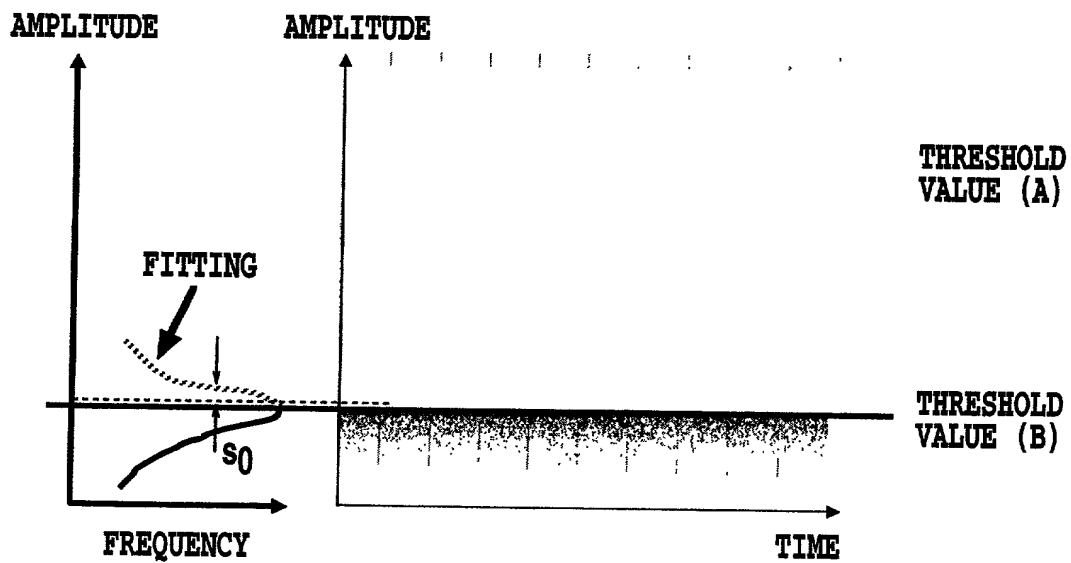


FIG.49B

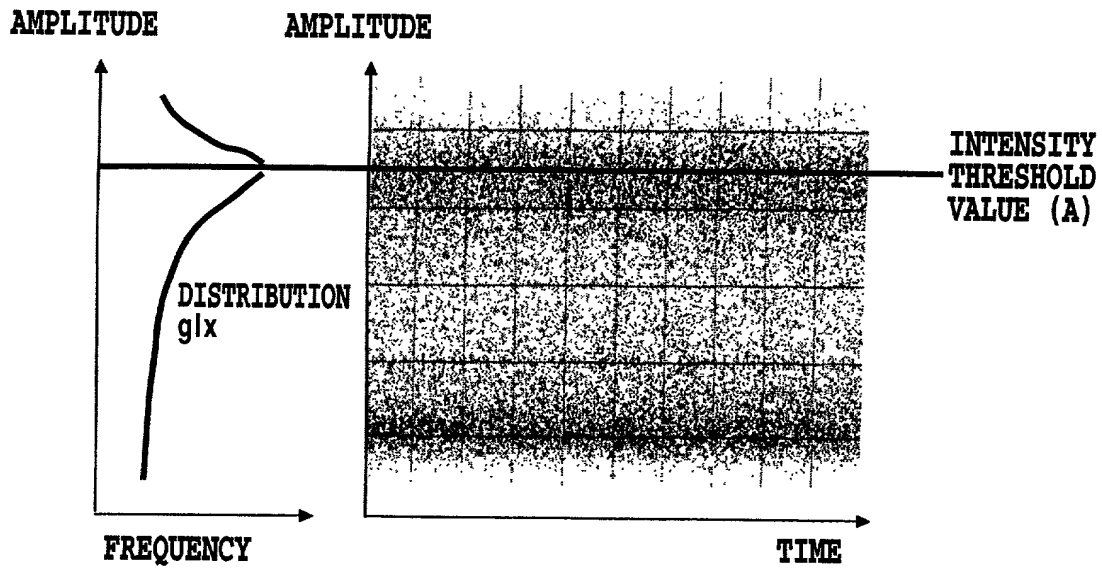


FIG.50A

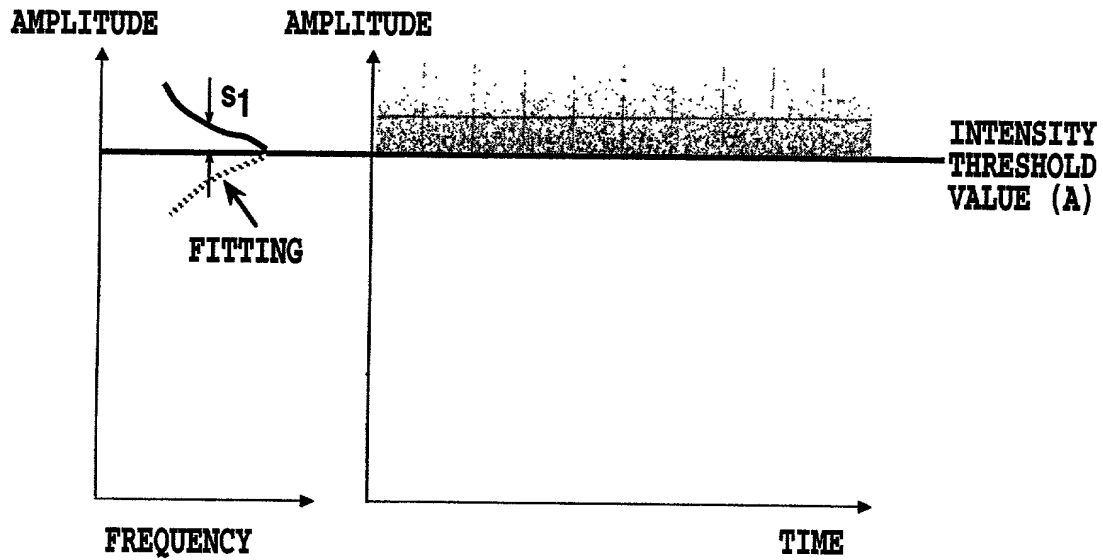
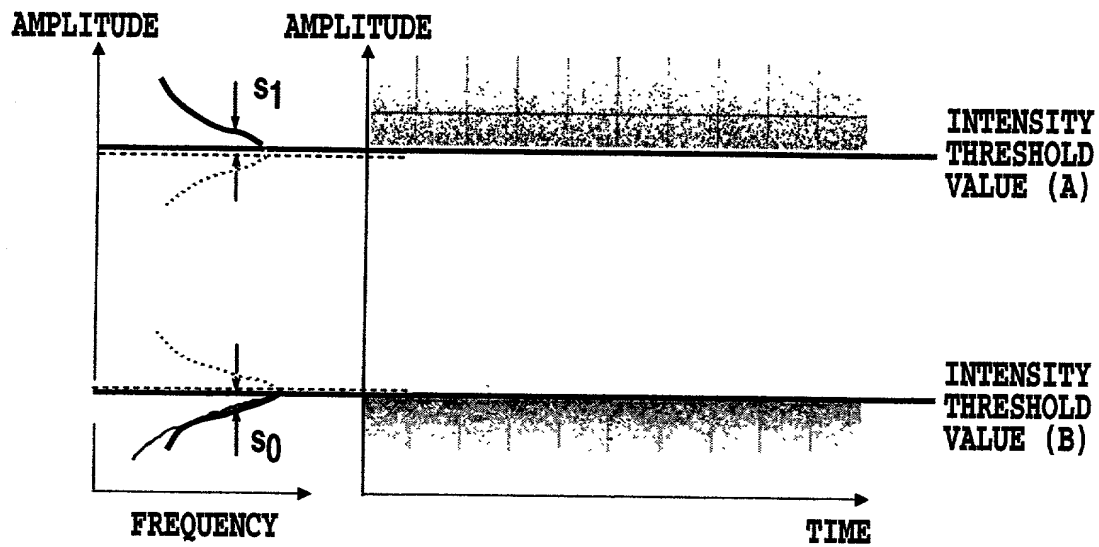


FIG.50B



$$Q = |m_1 - m_0| / (s_1 + s_0)$$

FIG.51

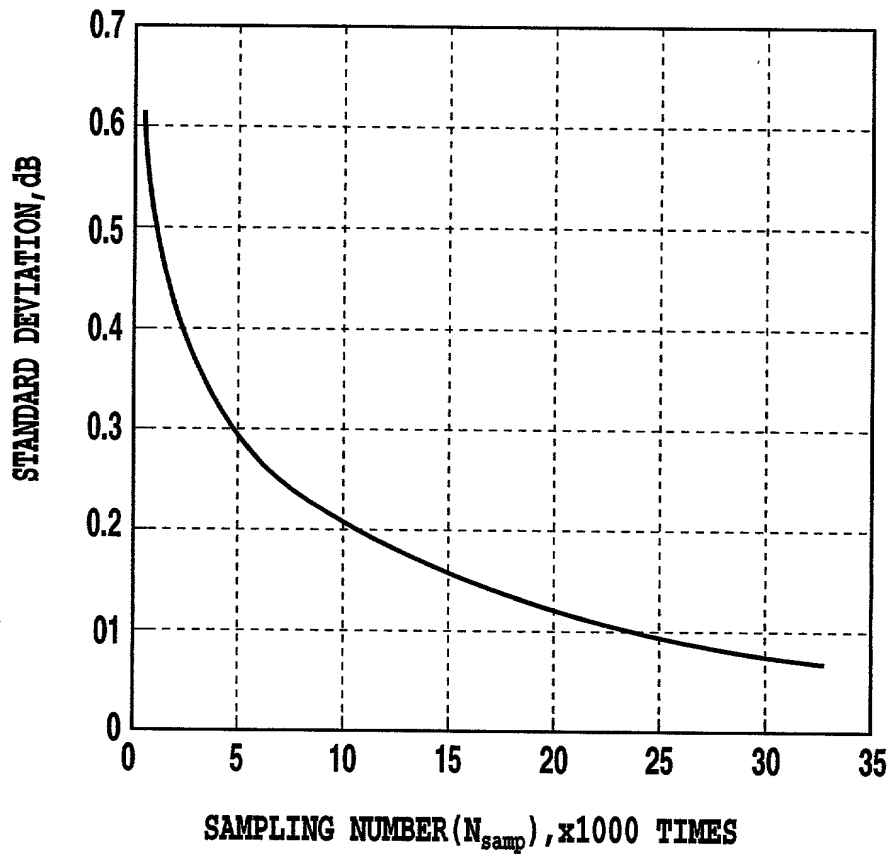


FIG.52



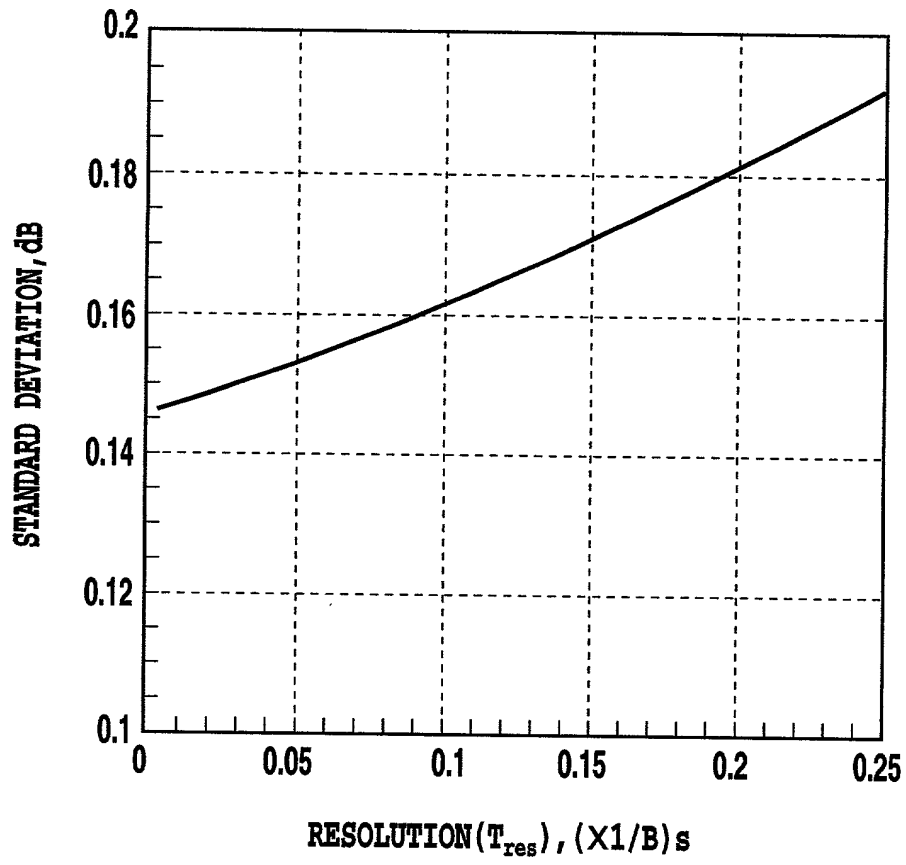


FIG.53A

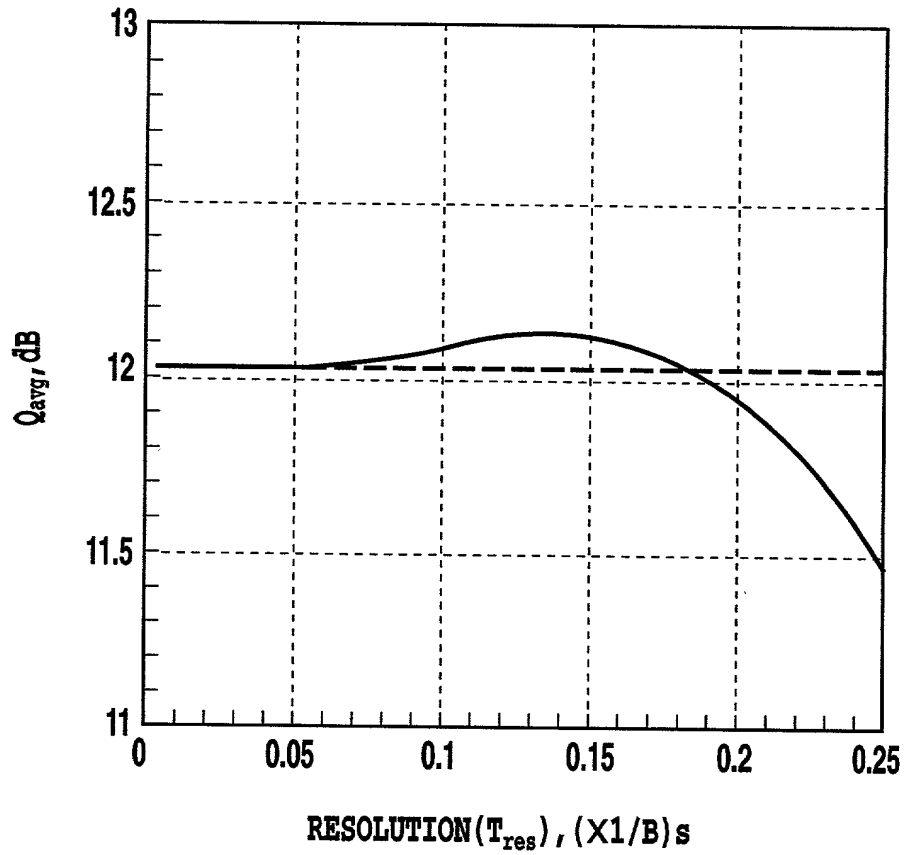


FIG.53B

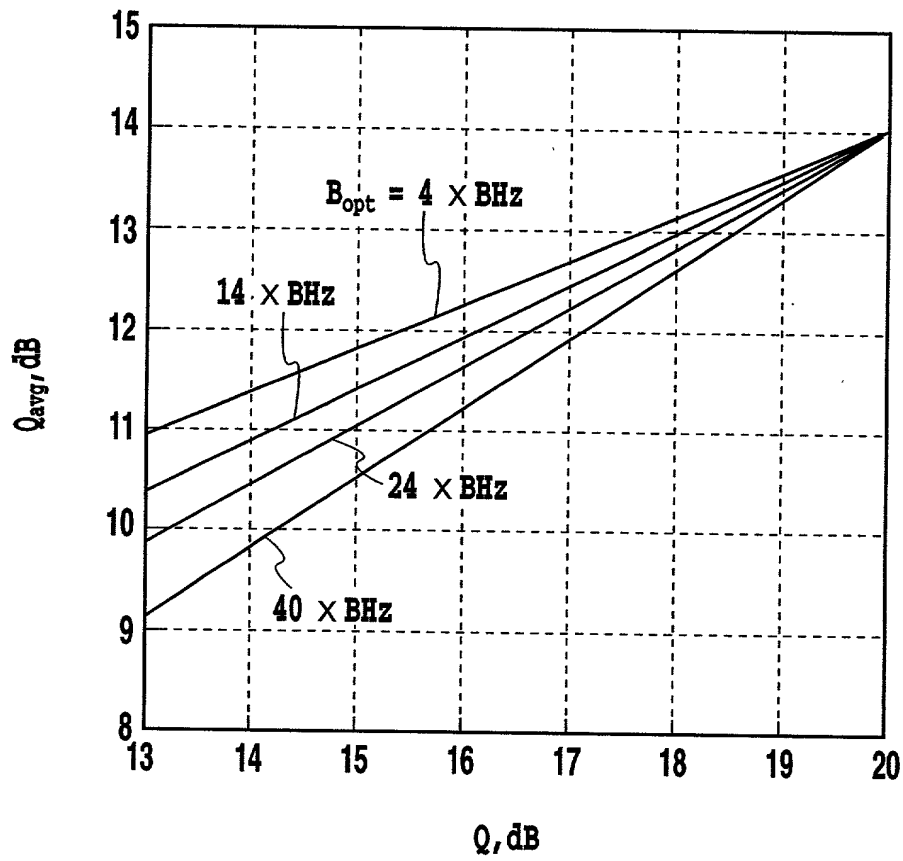


FIG.54A

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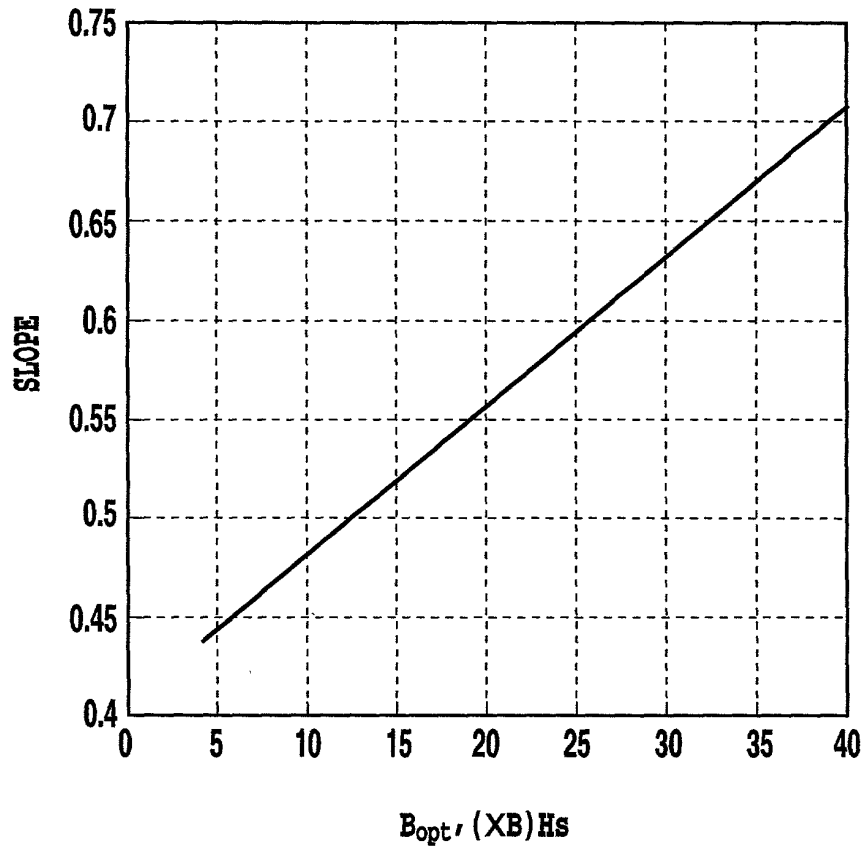


FIG.54B